002

NEWFIELD

March 22, 2005

State of Utah
Division of Oil, Gas & Mining
Attn: Diana Whitney
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: Federal 3-12-9-18, 5-12-9-18, 7-12-9-18, 9-12-9-18, 11-12-9-18, 13-12-9-18, and 15-12-9-18.

Dear Diana:

Enclosed find APD's on the above referenced wells. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier

Mandie Crozier
Regulatory Specialist

mc
enclosures

RECEIVED
MAR 30 2005
DIV. OF OIL, GAS & MINING

001

RECEIVED
MAR 30 2005
DIV. OF OIL, GAS & MINING

Form 3160-3
(September 2001)

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: UTU-15392

6. If Indian, Allottee or Tribe Name: N/A

1a. Type of Work: [x] DRILL [ ] REENTER

7. If Unit or CA Agreement, Name and No.: N/A

1b. Type of Well: [x] Oil Well [ ] Gas Well [ ] Other [x] Single Zone [ ] Multiple Zone

8. Lease Name and Well No.: Federal 9-12-9-18

2. Name of Operator: Newfield Production Company

9. API Well No.: 43-047-36468

3a. Address: Route #3 Box 3630, Myton UT 84052

3b. Phone No. *(include area code)*: (435) 646-3721

10. Field and Pool, or Exploratory: Eight Mile Flat

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface NE/SE 1977' FSL 658' FEL 599444X 40.043610

At proposed prod. zone 4433038Y -109.834299

11. Sec., T., R., M., or Blk. and Survey or Area: NE/SE Sec. 12, T9S R18E

14. Distance in miles and direction from nearest town or post office*: Approximatley 23.3 miles southeast of Myton, Utah

12. County or Parish: Uintah

13. State: UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 658' f/lse, NA f/unit	16. No. of Acres in lease: 380.00	17. Spacing Unit dedicated to this well: 40 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 2639'	19. Proposed Depth: 5750'	20. BLM/BIA Bond No. on file: UTU0056
21. Elevations (Show whether DF, KDB, RT, GL, etc.): 4791' GL	22. Approximate date work will start*: 3rd Quarter 2005	23. Estimated duration: Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature: Mandie Crozier	Name *(Printed/Typed)*: Mandie Crozier	Date: 3/22/05
Title: Regulatory Specialist		
Approved by *(Signature)*	Name *(Printed/Typed)*	Date
Title	Office	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

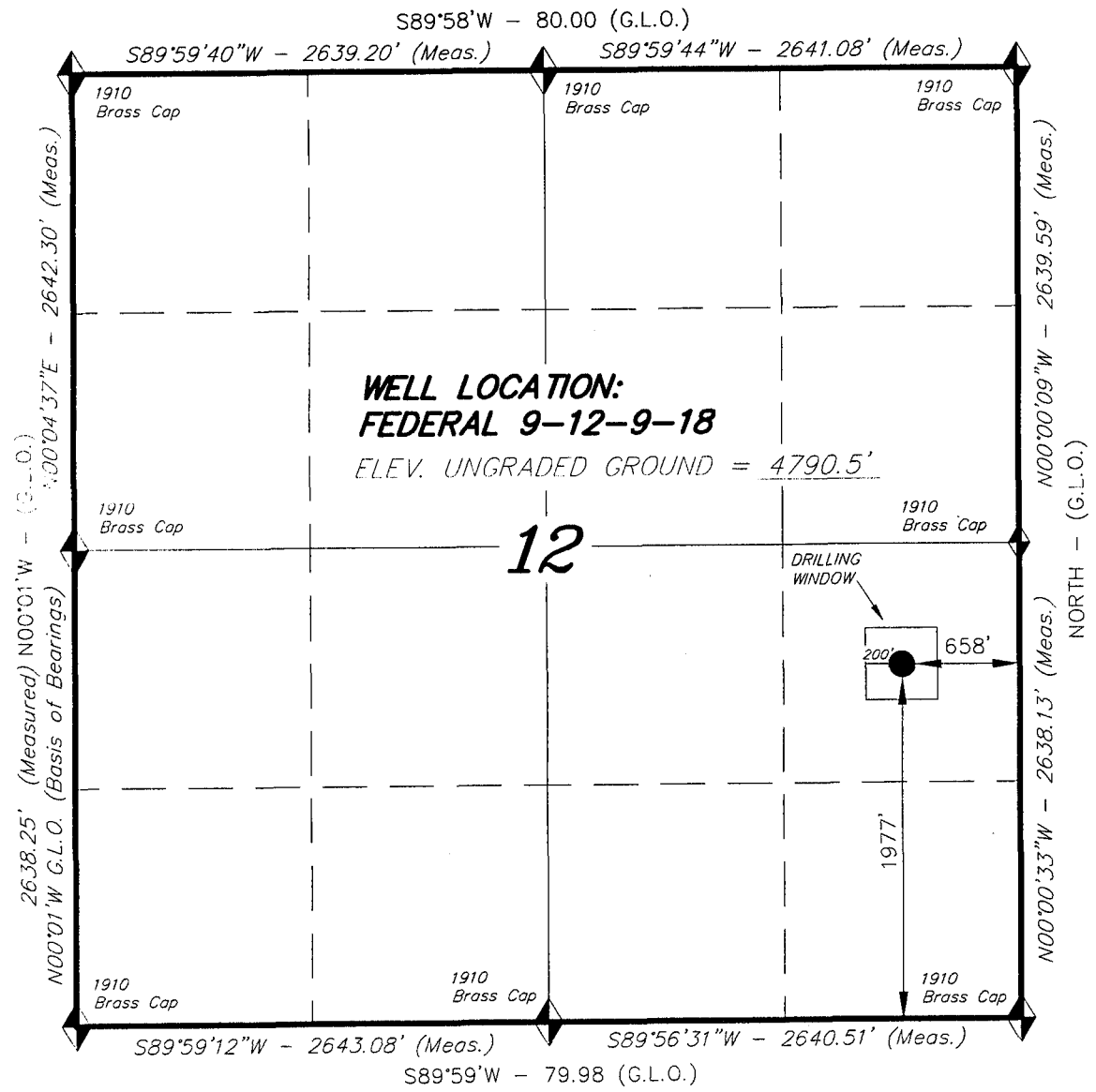
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**(Instructions on reverse)*

Federal Approval of this Action is Necessary

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 3-30-05
BY:

T9S, R18E, S.L.B.&M.



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (UTELAND BUTTE)

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, FEDERAL 9-12-9-18, LOCATED AS SHOWN IN THE NE 1/4 SE 1/4 OF SECTION 12, T9S, R18E, S.L.B.&M. UINTAH COUNTY, UTAH.

N

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR No.189377 STATE OF UTAH

STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: D.P.
DATE: 2-4-05	DRAWN BY: F.T.M.
NOTES:	FILE #

NEWFIELD PRODUCTION COMPANY
FEDERAL #9-12-9-18
NE/SE SECTION 12, T9S, R18E
UINTAH COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. ***GEOLOGIC SURFACE FORMATION:***

Uinta formation of Upper Eocene Age

2. ***ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:***

Uinta	0' – 1930'
Green River	1930'
Wasatch	5750'

3. ***ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:***

Green River Formation 1930' – 5750' - Oil

4. ***PROPOSED CASING PROGRAM***

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. ***MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:***

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. ***TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:***

Please refer to the Monument Butte Field SOP.

7. ***AUXILIARY SAFETY EQUIPMENT TO BE USED:***

Please refer to the Monument Butte Field SOP.

8. ***TESTING, LOGGING AND CORING PROGRAMS:***

Please refer to the Monument Butte Field SOP.

9. ***ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:***

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ***ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:***

Please refer to the Monument Butte Field SOP.

NEWFIELD PRODUCTION COMPANY
FEDERAL #9-12-9-18
NE/SE SECTION 12, T9S, R18E
UINTAH COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Federal #9-12-9-18 located in the NE 1/4 SE 1/4 Section 12, T9S, R18E, Uintah County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles ± to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 – 15.3 miles ± to it's junction with an existing dirt road to the east; proceed easterly – 6.4 miles ± to it's junction with the beginning of the proposed access road; proceed northerly along the proposed access road – 1,440'± to the proposed well location.

2. PLANNED ACCESS ROAD

See Topographic Map "B" for the location of the proposed access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. WELL SITE LAYOUT

See attached Location Layout Diagram.

10. ***PLANS FOR RESTORATION OF SURFACE***

Please refer to the Monument Butte Field SOP.

11. ***SURFACE OWNERSHIP*** - Bureau Of Land Management

12. ***OTHER ADDITIONAL INFORMATION***

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #04-130, 9/10/04. Paleontological Resource Survey prepared by, Wade E. Miller, 8/2/04. See attached report cover pages, Exhibit "D".

For the Federal #9-12-9-18 Newfield Production Company requests 1,440' of disturbed area be granted in Lease UTU-15392 to allow for construction of the proposed access road. **Refer to Topographic Map "B".** The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests 1420' of disturbed area be granted in Lease UTU-15392, 2530' of disturbed area be granted in Lease UTU-17424, 2710' of disturbed area be granted in Lease UTU-16539, and 3480' of disturbed area be granted in Lease UTU-15392 to allow for construction of the proposed gas lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Newfield Production Company requests 1420' of disturbed area be granted in Lease UTU-15392, 2530' of disturbed area be granted in Lease UTU-17424, 2710' of disturbed area be granted in Lease UTU-16539, and 3480' of disturbed area be granted in Lease UTU-15392 to allow for construction of the proposed water lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Water Disposal
Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Threatened, Endangered, And Other Sensitive Species
In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

Reserve Pit Liner
Please refer to the Monument Butte Field SOP.

Location and Reserve Pit Reclamation
Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Gardner Saltbush	*Atriplex gardneri*	6 lbs/acre
Crested Wheatgrass	*Agropyron cristatum*	6 lbs/acre

Details of the On-Site Inspection
The proposed Federal #9-12-9-18 was on-sited on 11/16/04. The following were present; Brad Mecham (Newfield Production) and Byron Tolman (Bureau of Land Management). Weather conditions were clear.

13. *LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION*

Representative

Name: Brad Mecham

Address: Route #3 Box 3630
Myton, UT 84052

Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #9-12-9-18 NE/SE Section 12, Township 9S, Range 18E: Lease UTU-15392 Uintah County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

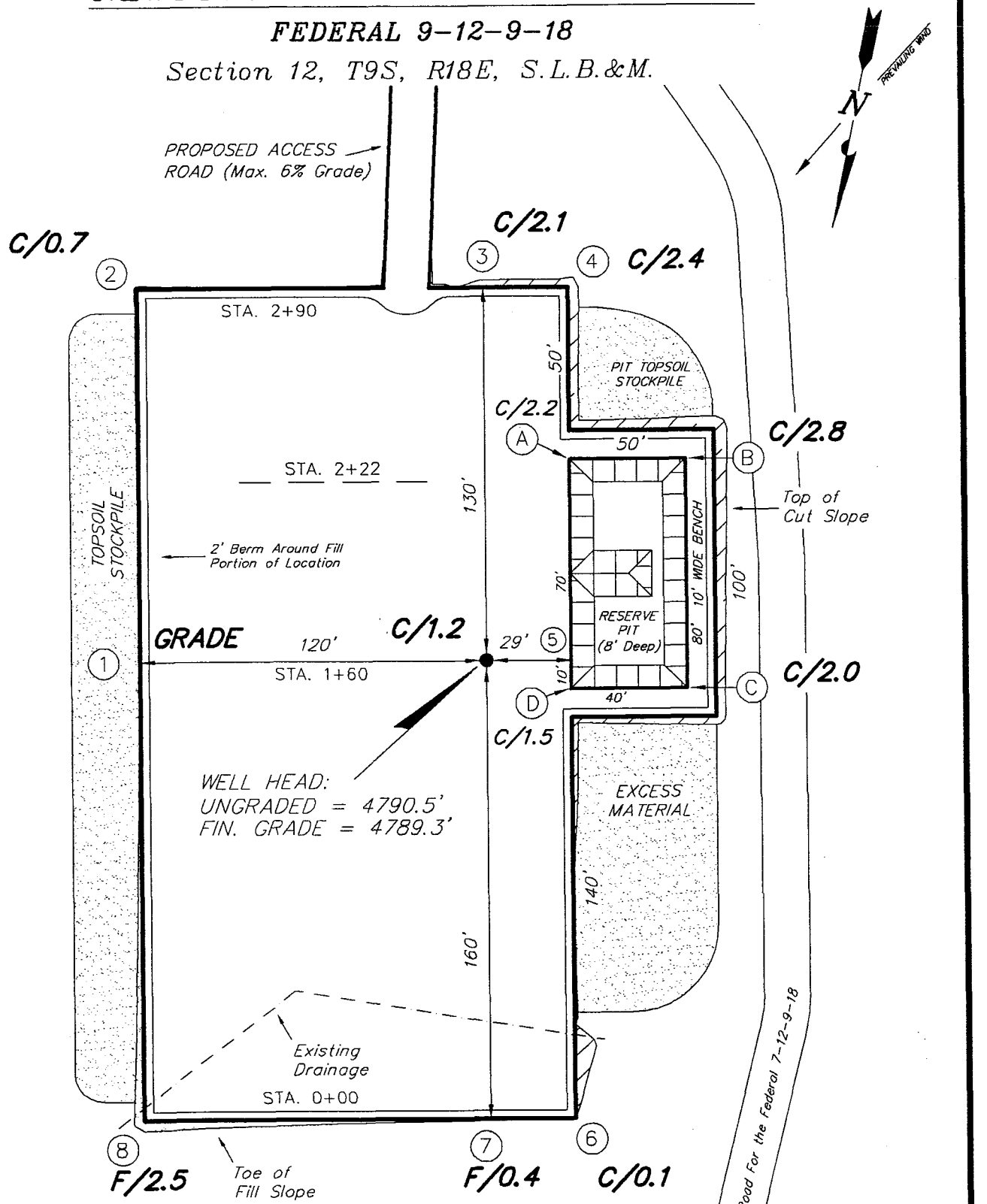
3/22/05
Date

Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD PRODUCTION COMPANY

FEDERAL 9-12-9-18

Section 12, T9S, R18E, S.L.B.&M.



REFERENCE POINTS

210' NORTHWEST = 4789.4'
260' NORTHWEST = 4788.6'
210' NORTHEAST = 4788.5'
220' NORTHEAST = 4787.9'

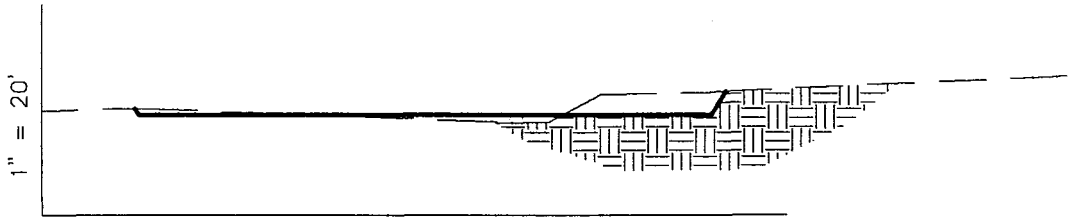
SURVEYED BY:	D.P.	SCALE:	1" = 50'
DRAWN BY:	F.T.M.	DATE:	2-4-05

Tri State Land Surveying, Inc. (435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

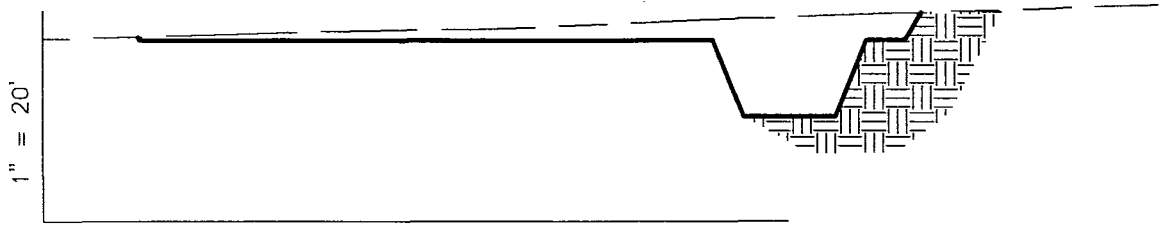
CROSS SECTIONS

FEDERAL 9-12-9-18



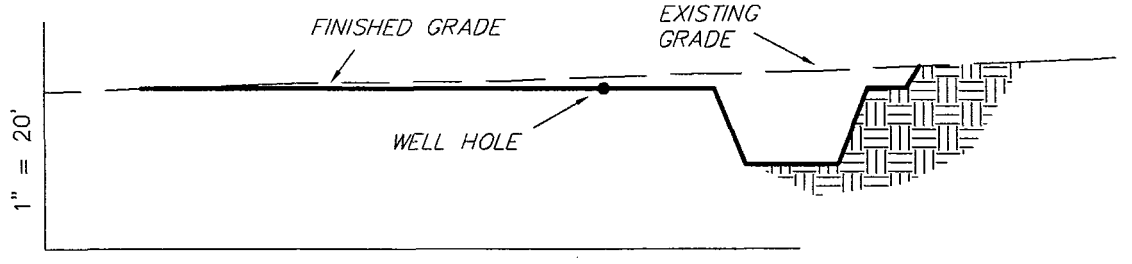
1" = 50'

STA. 2+90



1" = 50'

STA. 2+22



1" = 50'

STA. 1+60

1" = 50'

STA. 0+00

NOTE:
UNLESS OTHERWISE NOTED
ALL CUT/FILL SLOPES ARE
AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

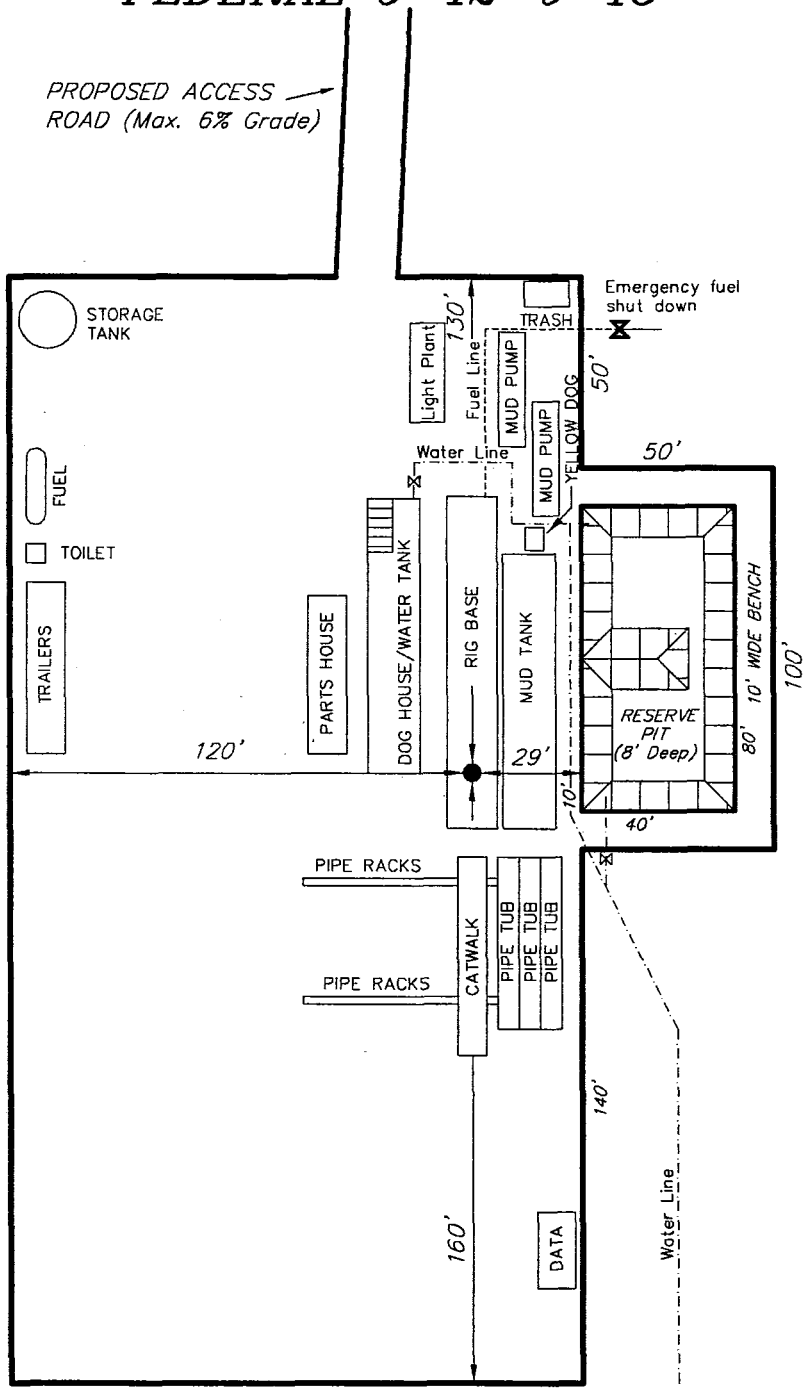
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	830	820	Topsoil is not included in Pad Cut	10
PIT	640	0		640
TOTALS	1,470	820	930	650

SURVEYED BY: D.P.	SCALE: 1" = 50'	Tri State Land Surveying, Inc.	(435) 781-2501
DRAWN BY: F.T.M.	DATE: 2-4-05	180 NORTH VERNAL AVE. VERNAL, UTAH 84078	

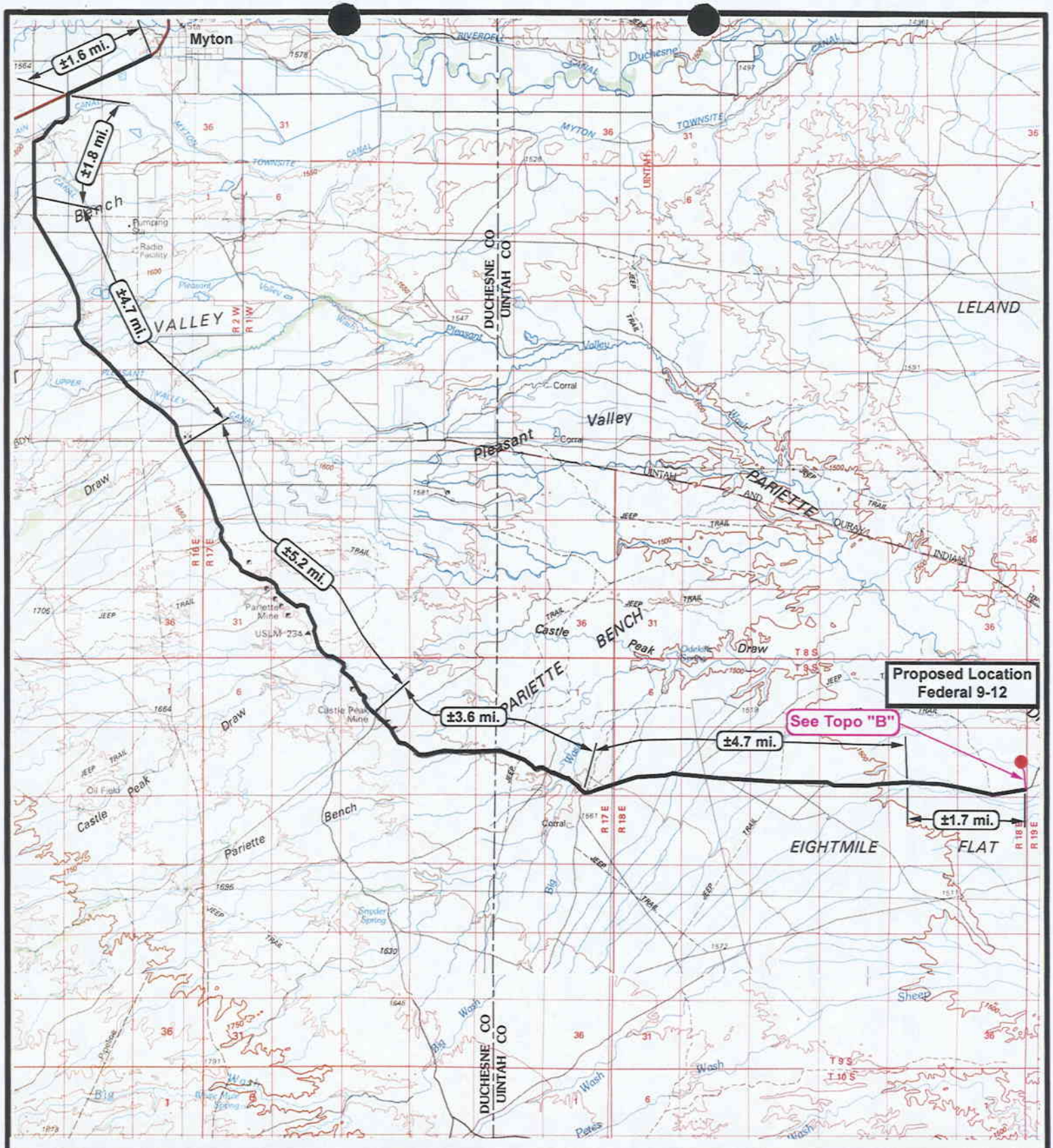
NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

FEDERAL 9-12-9-18



SURVEYED BY: D.P.	SCALE: 1" = 50'	Tri State Land Surveying, Inc.	(435) 781-2501
DRAWN BY: F.T.M.	DATE: 2-4-05	180 NORTH VERNAL AVE. VERNAL, UTAH 84078	



NEWFIELD
Exploration Company

Federal 9-12-9-18
SEC. 12, T9S, R18E, S.L.B.&M.

N

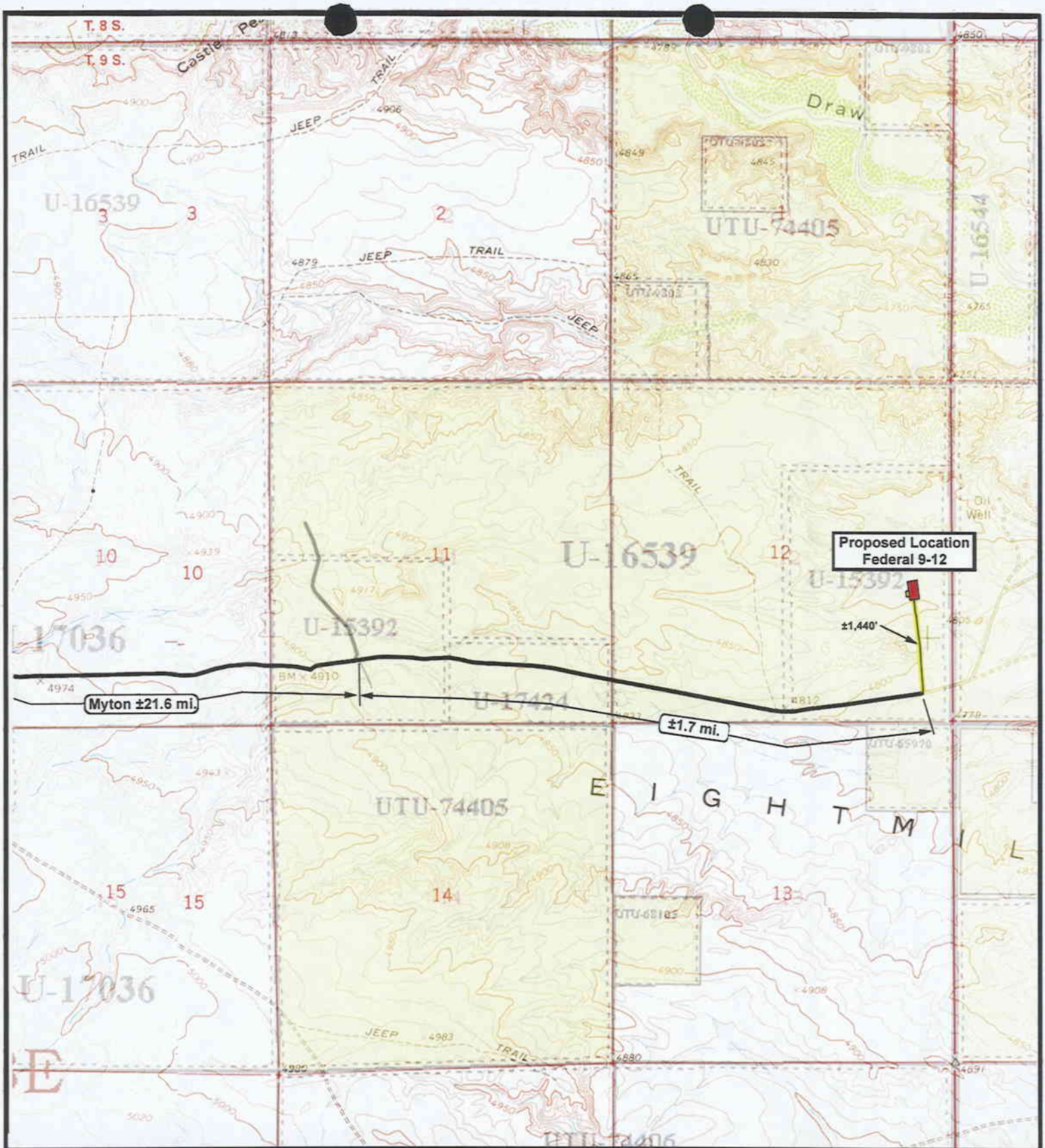
Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

Legend

- Existing Road
- Proposed Access

SCALE: 1 = 100,000
DRAWN BY: mw
DATE: 02-08-2005

TOPOGRAPHIC MAP
"A"



NEWFIELD
Exploration Company

Federal 9-12-9-18
SEC. 12, T9S, R18E, S.L.B.&M.

N

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE:	1" = 2,000'
DRAWN BY:	mw
DATE:	02-05-2005

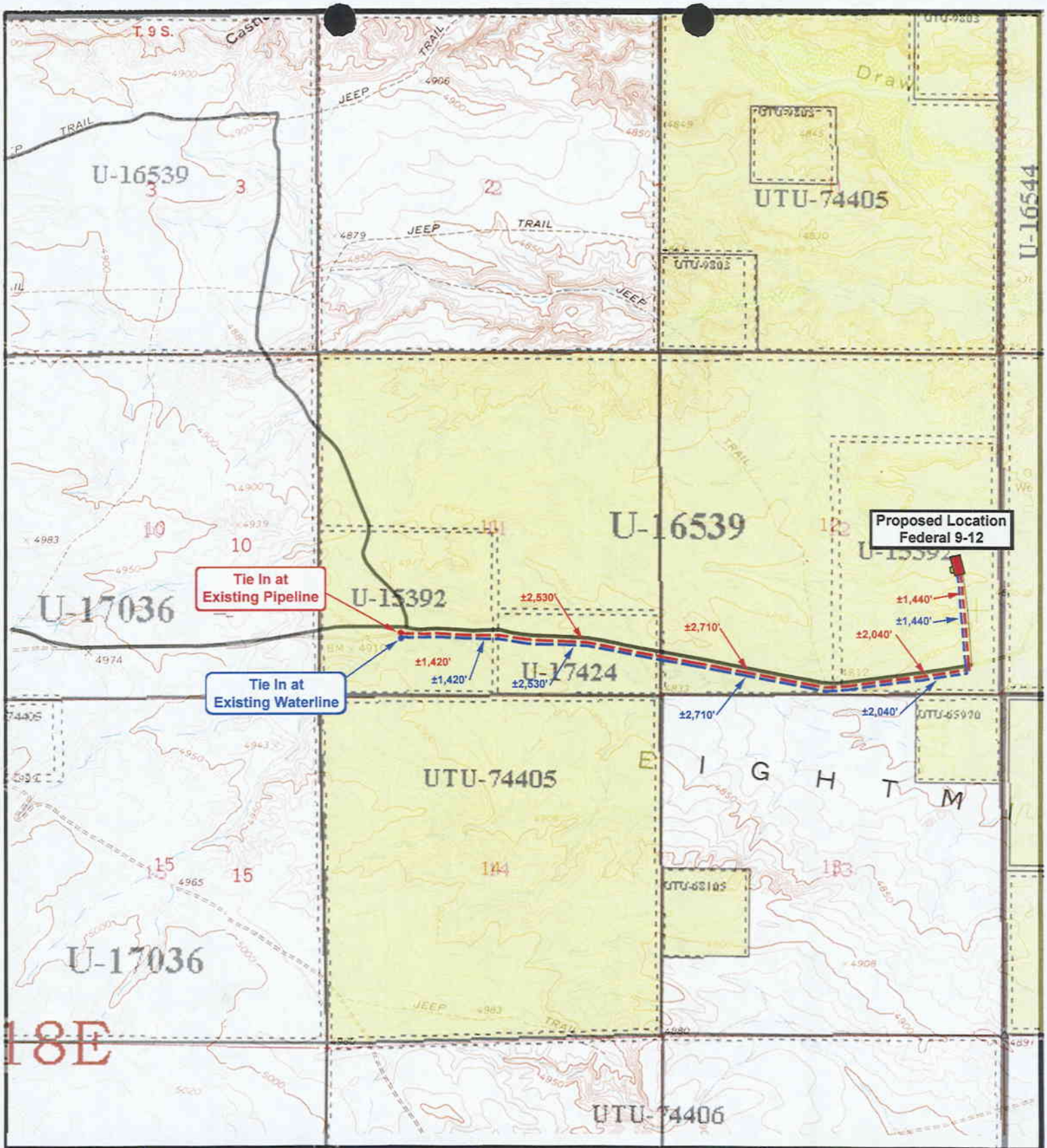
Legend

Existing Road

Proposed Access

TOPOGRAPHIC MAP

"B"



NEWFIELD
Exploration Company

Federal 9-12-9-18
SEC. 12,T9S, R18E, S.L.B.&M.

N

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

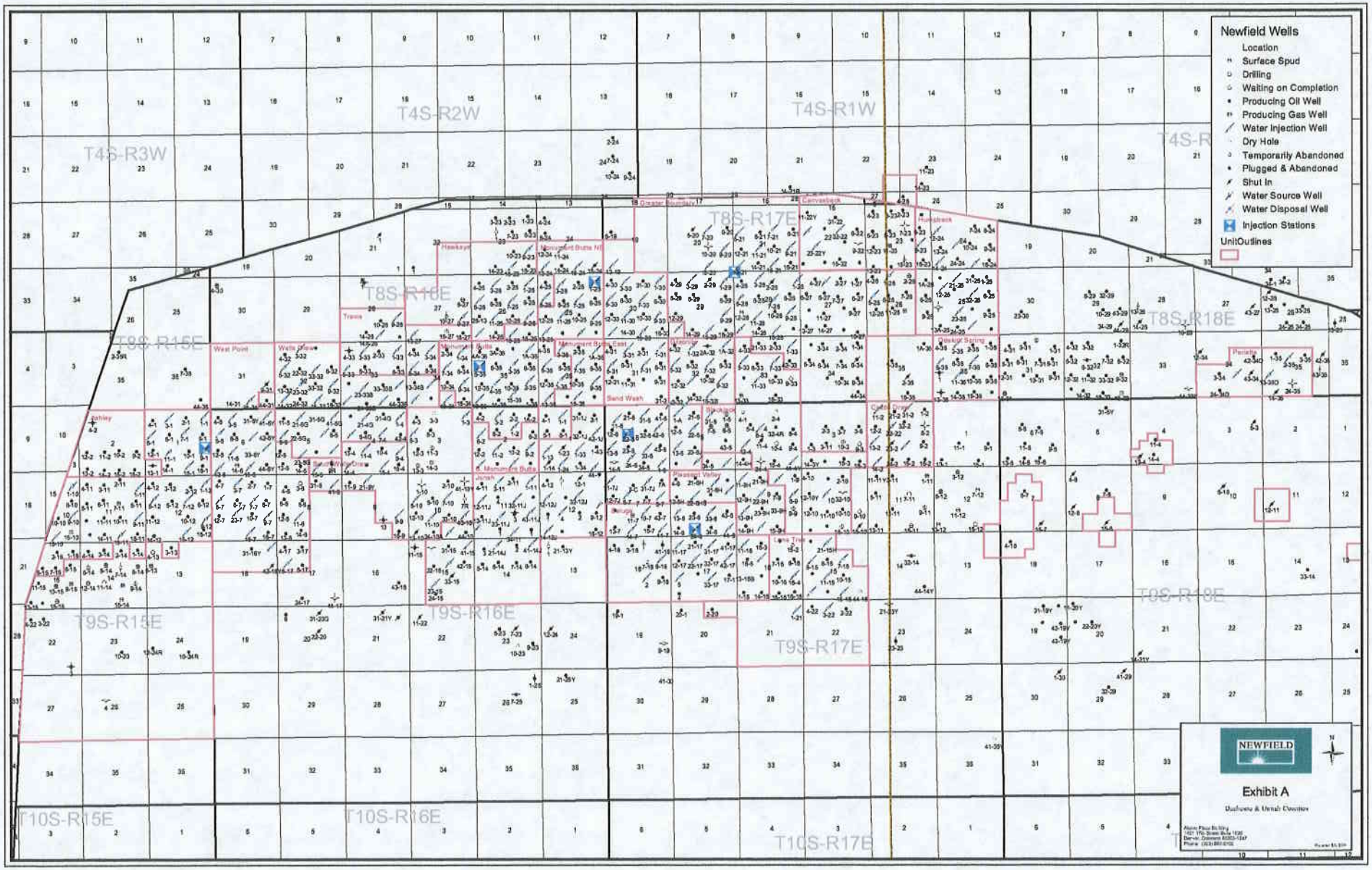
SCALE:	1" = 2,000'
DRAWN BY:	mw
DATE:	02-07-2005

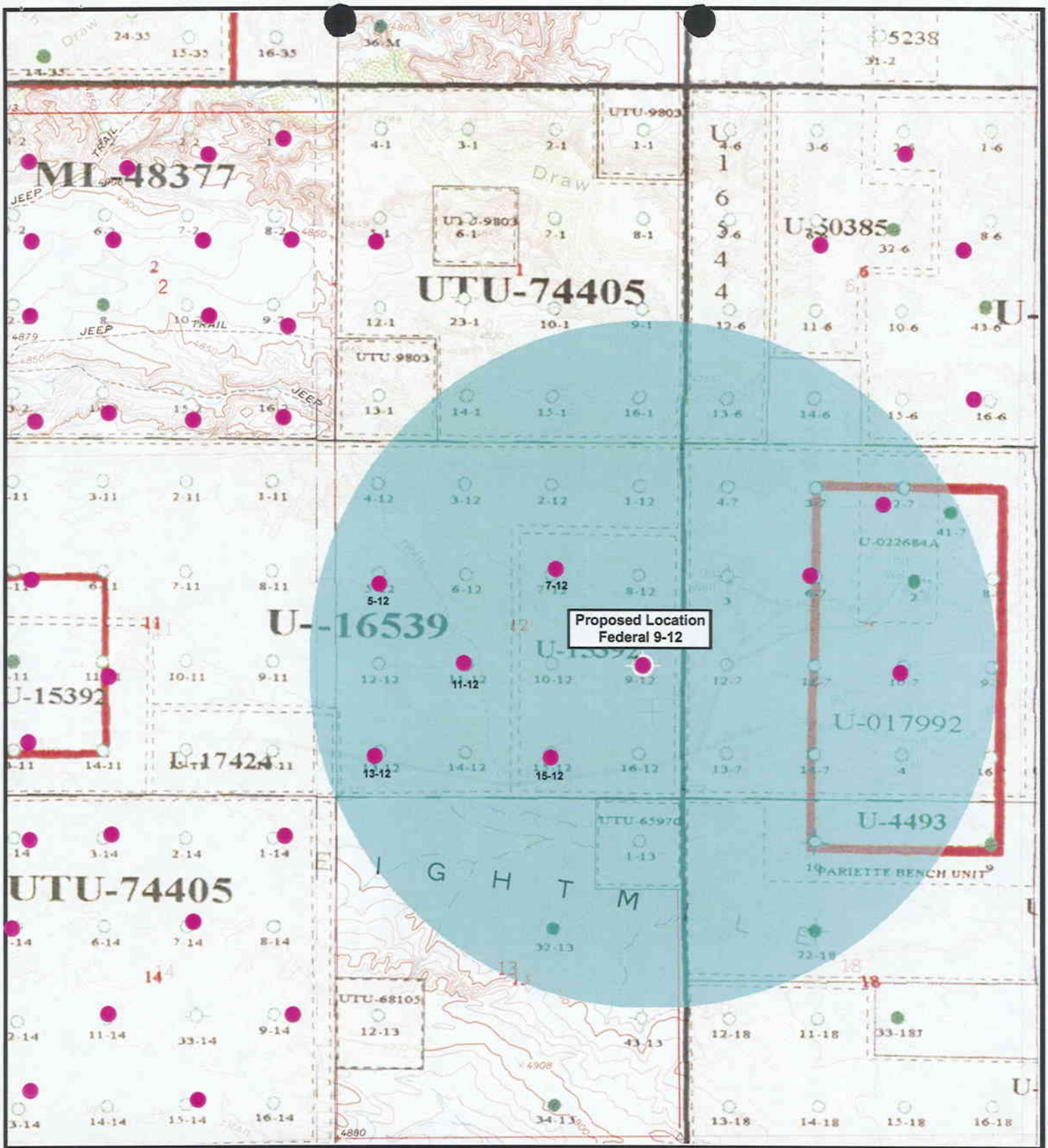
Legend

- Roads
- Proposed Gas Line
- Proposed Water Line

TOPOGRAPHIC MAP

"C"


Newfield Wells
Location
Surface Spud
Drilling
Waiting on Completion
Producing Oil Well
Producing Gas Well
Water Injection Well
Dry Hole
Temporarily Abandoned
Plugged & Abandoned
Shut In
Water Source Well
Water Disposal Well
Injection Stations
UnitOutlines
T4S-R2W
T4S-R1W
T4S-R3W
T8S-R17E
T8S-R16E
T8S-R18E
T9S-R15E
T9S-R16E
T9S-R17E
T9S-R18E
T10S-R15E
T10S-R16E
T10S-R17E
NEWFIELD
Exhibit A
Duchesne & Uintah Counties



NEWFIELD
Exploration Company

Federal Unit 9-12-9-18
SEC. 12, T9S, R18E, S.L.B.&M.

N

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE:	1" = 2000'
DRAWN BY:	mw
DATE:	02-08-2005

Legend

- Proposed Location
- One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

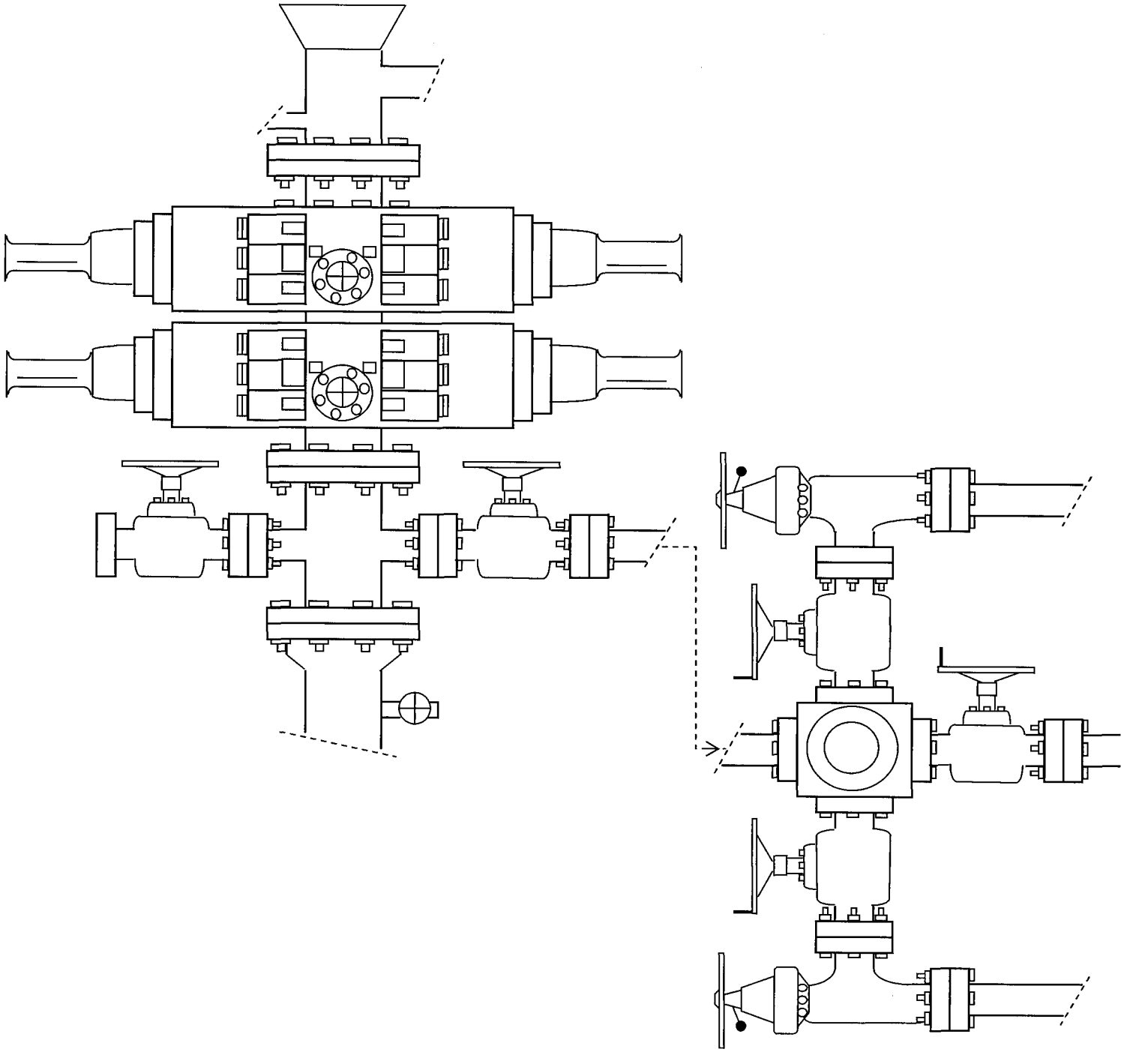


EXHIBIT C

Exhibit "D"
Page 1 of 4

CULTURAL RESOURCE INVENTORY OF INLAND RESOURCES' BLOCK SURVEY ON EIGHT MILE FLAT, TOWNSHIP 9 SOUTH, RANGE 18 EAST, SECTIONS 1,5,7,8,12,13, and 24, UINTAH COUNTY, UTAH

by

Josh C. Whiting
and
Keith R. Montgomery

Prepared For:

Bureau of Land Management
Vernal Field Office

Prepared Under Contract With:

Inland Production
Route 3 Box 3630
Myton, Utah 84052

Prepared By:

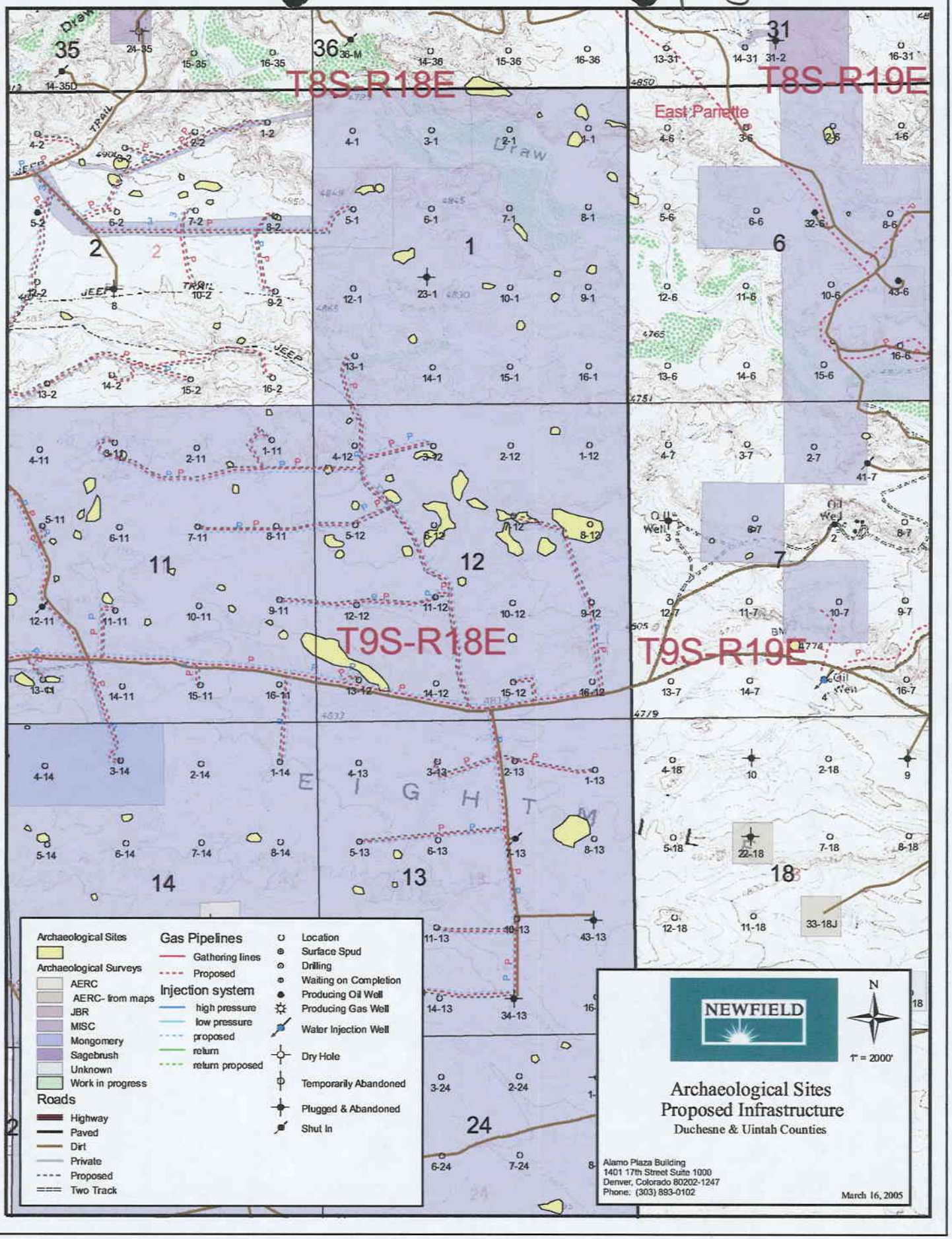
Montgomery Archaeological Consultants
P.O. Box 147
Moab, Utah 84532

MOAC Report No. 04-130

September 10, 2004

United States Department of Interior (FLPMA)
Permit No. 04-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-04-MQ-0455b


T8S-R18E
T8S-R19E
East Pariette
T9S-R18E
T9S-R19E
35
36
31
1
6
11
12
7
18
14
13
24
2
Archaeological Sites
Archaeological Surveys
AERC
AERC- from maps
JBR
MISC
Mongomery
Sagebrush
Unknown
Work in progress
Roads
Highway
Paved
Dirt
Private
Proposed
Two Track
Gas Pipelines
Gathering lines
Proposed
Injection system
high pressure
low pressure
proposed
return
return proposed
Location
Surface Spud
Drilling
Waiting on Completion
Producing Oil Well
Producing Gas Well
Water Injection Well
Dry Hole
Temporarily Abandoned
Plugged & Abandoned
Shut In
NEWFIELD
N
1" = 2000'
Archaeological Sites
Proposed Infrastructure
Duchesne & Uintah Counties
Alamo Plaza Building
1401 17th Street Suite 1000
Denver, Colorado 80202-1247
Phone: (303) 893-0102
March 16, 2005

INLAND RESOURCES, INC.

PALEONTOLOGICAL FIELD SURVEY OF PROPOSED PRODUCTION DEVELOPMENT AREAS, UINTAH COUNTY, UTAH

Section 1 (excluding the NW 1/4); and Sections 12, 13, & 24,
Township 9 South, Range 18 East

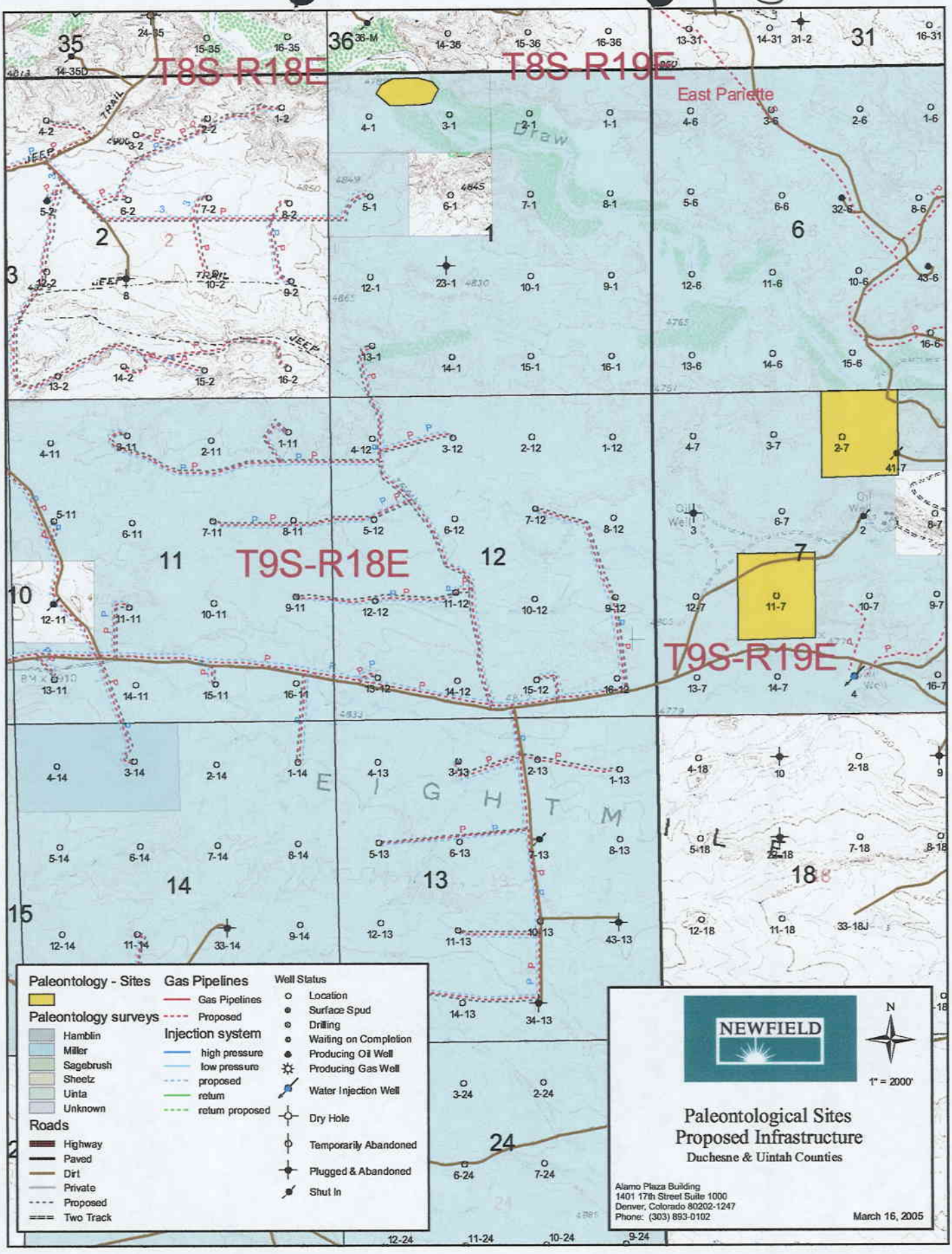
REPORT OF SURVEY

Prepared for:

Inland Resources, Inc.

Prepared by:

Wade E. Miller
Consulting Paleontologist
August 2, 2004


T8S-R18E
T8S-R19E
East Pariette
T9S-R18E
T9S-R19E
Paleontology - Sites
Paleontology surveys
Hamblin
Miller
Sagebrush
Sheetz
Uinta
Unknown
Roads
Highway
Paved
Dirt
Private
Proposed
Two Track
Gas Pipelines
Gas Pipelines
Proposed
Injection system
high pressure
low pressure
proposed
return
return proposed
Well Status
Location
Surface Spud
Drilling
Waiting on Completion
Producing Oil Well
Producing Gas Well
Water Injection Well
Dry Hole
Temporarily Abandoned
Plugged & Abandoned
Shut In
NEWFIELD
N
1" = 2000'
Paleontological Sites
Proposed Infrastructure
Duchesne & Uintah Counties
Alamo Plaza Building
1401 17th Street Suite 1000
Denver, Colorado 80202-1247
Phone: (303) 893-0102
March 16, 2005

003

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/30/2005

API NO. ASSIGNED: 43-047-36468

WELL NAME: FEDERAL 9-12-9-18
OPERATOR: NEWFIELD PRODUCTION (N2695)
CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:
NESE 12 090S 180E
SURFACE: 1977 FSL 0658 FEL
BOTTOM: 1977 FSL 0658 FEL
UINTAH
8 MILE FLAT NORTH (590)

LEASE TYPE: 1 - Federal
LEASE NUMBER: UTU-15392
SURFACE OWNER: 1 - Federal
PROPOSED FORMATION: GRRV
COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 40.04361
LONGITUDE: -109.8343

RECEIVED AND/OR REVIEWED:

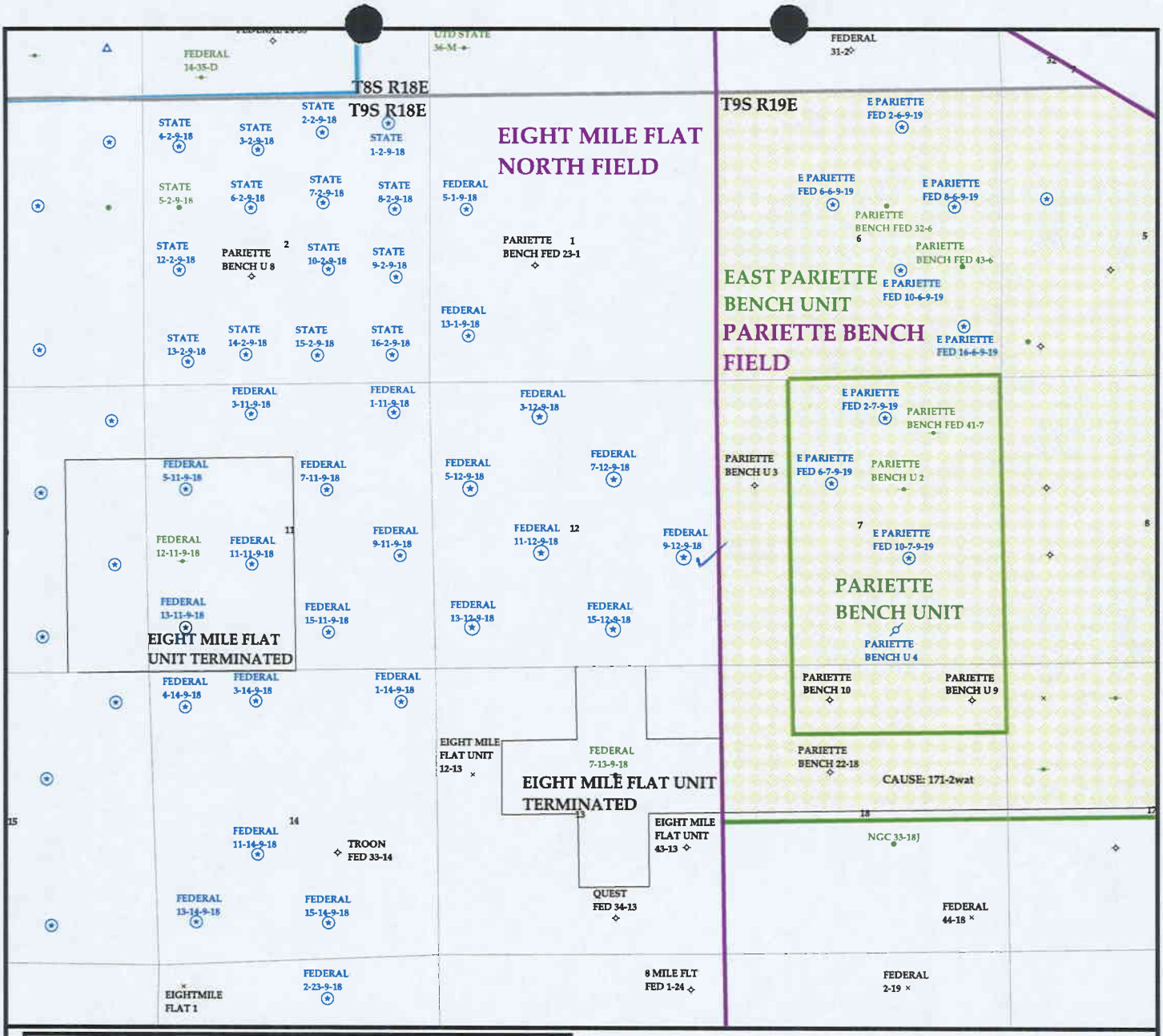
✓ Plat
✓ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. UTU0056)
N Potash (Y/N)
N Oil Shale 190-5 (B) or 190-3 or 190-13
✓ Water Permit
(No. MUNICIPAL)
N RDCC Review (Y/N)
(Date:)
NA Fee Surf Agreement (Y/N)

LOCATION AND SITING:

___ R649-2-3.
Unit ___
✓ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
___ R649-3-3. Exception
___ Drilling Unit
Board Cause No: ___
Eff Date: ___
Siting: ___
___ R649-3-11. Directional Drill

COMMENTS: Sop, Seperate file

STIPULATIONS: 1- Federal Approval
2- Spacing Stip



OPERATOR- NEWFIELD PROD CO (N2695)

SEC. 12 T.9S R.18E

FIELD: EIGHT MILE FLAT NORTH (590)

COUNTY: UINTAH

SPACING: R649-3-2 / GENERAL SITING

Wells

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL

Units.shp

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields.shp

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Utah Oil Gas and Mining

N W E S

PREPARED BY: DIANA WHITNEY
DATE: 30-MARCH-2005

004

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

MARY ANN WRIGHT
Acting Division Director

March 30, 2005

Newfield Production Company
Rt. #3, Box 3630
Myton, UT 84052

Re: Federal 9-12-9-18 Well, 1977' FSL, 658' FEL, NE SE, Sec. 12, T. 9 South, R. 18 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-36468.

Sincerely,

John R. Baza
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal District Office

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

Operator: Newfield Production Company

Well Name & Number Federal 9-12-9-18

API Number: 43-047-36468

Lease: UTU-15392

Location: NE SE **Sec.** 12 **T.** 9 South **R.** 18 East

Conditions of Approval

1. General

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

   Notify the Division within 24 hours of spudding the well.

   - Contact Carol Daniels at (801) 538-5284.

   Notify the Division prior to commencing operations to plug and abandon the well.

   - Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

FORM 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
UTU-15392

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
N/A

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
FEDERAL 9-12-9-18

9. API Well No.
43-047-36468

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

10. Field and Pool, or Exploratory Area
EIGHT MILE FLAT NORTI

3. Address and Telephone No.
Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

11. County or Parish, State
UINTAH COUNTY, UT.

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
1977 FSL 658 FEL NE/SE Section 12, T9S R18E

12. **CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[ ] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other **Permit Extension**	[ ] Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Newfield Production Company requsts to extend the Permit to Drill this well for one year. The original approval date was 3/30/05 (expiration 3/30/06).

This APD has not been approved yet by the BLM.

Approved by the
Utah Division of
Oil, Gas and Mining
Date: 03-06-06
By:

03-16-06
CHD

RECEIVED
MAR 03 2006
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct
Signed Mandie Crozier Title Regulatory Specialist Date 2 28 2006
Mandie Crozier

CC: UTAH DOGM

(This space for Federal or State office use)
Approved by _____ Title _____ Date _____
Conditions of approval, if any:

RESET

Application for Permit to Drill
Request for Permit Extension
Validation
(this form should accompany the Sundry Notice requesting permit extension)

API: 43-047-36468
Well Name: Federal 9-12-9-18
Location: NE/SE Section 12, T9S R18E
Company Permit Issued to: Newfield Production Company
Date Original Permit Issued: 3/30/2005

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes☐No☐ NA

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes☐No☑

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes☐No☑

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes☐No☑

Has the approved source of water for drilling changed? Yes☐No☑

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes☐No☑

Is bonding still in place, which covers this proposed well? Yes☑No☐

Mandie Crozier
Signature

3/1/2006
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

RECEIVED
MAR 03 2006
DIV. OF OIL, GAS & MINING

FORM 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: **UTU-15392**

6. If Indian, Allottee or Tribe Name: **NA**

7. If Unit or CA, Agreement Designation: **N/A**

1. Type of Well: [X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.: **FEDERAL 9-12-9-18**

9. API Well No.: **43-047-36468**

2. Name of Operator: **NEWFIELD PRODUCTION COMPANY**

10. Field and Pool, or Exploratory Area: **EIGHT MILE FLAT NORTI**

3. Address and Telephone No.: **Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

11. County or Parish, State: **UINTAH COUNTY, UT.**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
1977 FSL 658 FEL NE/SE Section 12, T9S R18E

12. **CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[ ] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other **Permit Extension**	[ ] Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 3/30/05 (expiration 3/30/07).

This APD has not yet been approved by the BLM.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 03-12-07
By:

SENT TO OPERATOR
3-12-07
RM

RECEIVED
MAR 09 2007
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct
Signed Mandie Crozier Title Regulatory Specialist Date 3/5/2007
Mandie Crozier

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

[redacted]

Application for Permit to Drill
Request for Permit Extension
Validation
(this form should accompany the Sundry Notice requesting permit extension)

API: 43-047-36468
Well Name: Federal 9-12-9-18
Location: NE/SE Section 12,T9S R18E
Company Permit Issued to: Newfield Production Company
Date Original Permit Issued: 3/30/2005

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes☐No☐ NA

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes☐No☑

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes☐No☑

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes☐No☑

Has the approved source of water for drilling changed? Yes☐No☑

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes☐No☑

Is bonding still in place, which covers this proposed well? Yes☑No☐

Mandie Crozier
Signature

3/5/2007
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

RECEIVED
MAR 09 2007
DIV. OF OIL, GAS & MINING

RECEIVED

MAR 2 4 2005

BLM VERNAL, UTAH

Form 3160-3
(September 2001)

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: UTU-15392

6. If Indian, Allottee or Tribe Name: N/A

1a. Type of Work: [x] DRILL [ ] REENTER

7. If Unit or CA Agreement, Name and No.: N/A

1b. Type of Well: [x] Oil Well [ ] Gas Well [ ] Other [x] Single Zone [ ] Multiple Zone

8. Lease Name and Well No.: Federal 9-12-9-18

2. Name of Operator: Newfield Production Company

9. API Well No.: 43-047-36468

3a. Address: Route #3 Box 3630, Myton UT 84052

3b. Phone No. *(include area code)*: (435) 646-3721

10. Field and Pool, or Exploratory: Eight Mile Flat

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface NE/SE 1977' FSL 658' FEL

At proposed prod. zone

11. Sec., T., R., M., or Blk. and Survey or Area: NE/SE Sec. 12, T9S R18E

14. Distance in miles and direction from nearest town or post office*: Approximatley 23.3 miles southeast of Myton, Utah

12. County or Parish: Uintah

13. State: UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any): Approx. 658' f/lse, NA f/unit

16. No. of Acres in lease: 380.00

17. Spacing Unit dedicated to this well: 40 Acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.: Approx. 2639'

19. Proposed Depth: 5750'

20. BLM/BIA Bond No. on file: ~~UTU0056~~ UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.): 4791' GL

22. Approximate date work will start*: 3rd Quarter 2005

23. Estimated duration: Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature: Mandie Crozier — Name *(Printed/Typed)*: Mandie Crozier — Date: 3/22/05

Title: Regulatory Specialist

Approved by *(Signature)*: — Name *(Printed/Typed)*: Jerry Kenczka — Date: 3-9-2007

Title: Assistant Field Manager Lands & Mineral Resources — Office: VERNAL FIELD OFFICE

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached. CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**(Instructions on reverse)*

RECEIVED

MAR 1 6 2007

DIV. OF OIL, GAS & MINING

NOTICE OF APPROVAL

UDOGM

05LW1552A

NO NOS

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: **Newfield Production Company**
Well No: **Federal 9-12-9-18**
API No: **43-047-36468**

Location: **NESE, Sec 12, T9S, R18E**
Lease No: **UTU-15392**
Agreement: **N/A**

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Petroleum Engineer:	Jim Ashley	Office: 435-781-4470	Cell: 435-828-7874
Petroleum Engineer:	Ryan Angus	Office: 435-781-4430	
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
Natural Resource Specialist:	Chuck Macdonald	Office: 435-781-4441	
Natural Resource Specialist:	Darren Williams	Office: 435-781-4447	
Natural Resource Specialist:	Verlyn Pindell	Office: 435-781-3402	
After Hours Contact Number: 435-781-4513		Fax: 435-781-4410	

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Chuck Macdonald)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Chuck Macdonald)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Jamie Sparger)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Jamie Sparger)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

See SOP and APD
Conditions of Approval not covered in SOP and APD:

1. Timing Limitation – **April 1 through August 15** – A timing restriction will be in affect for all sites to protect the Burrowing owl during its nesting season. No use shall occur from 4/1-8/1 Also this site is located within crucial deer/elk winter range. No use shall occur from 12/1-4/30. Further this site is located within Bald eagle winter foraging and roosting areas.

2. The access road will be crowned and ditched. Flat-bladed roads are not allowed.

3. If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.

4. Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.

5. Pipelines will be buried at all major drainage crossings.

6. The reserve pit will be lined with a 12 ml or greater liner and felt prior to spudding.

7. If paleontologic or cultural materials are uncovered during construction, the operator shall immediately stop work that might further disturb or move such materials and contact the Authorized Officer (AO) within 48 hours. A determination will be made by the AO as to necessary mitigation for the discovered paleontologic/cultural material.

8. If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.

9. The interim seed mix for this location shall be:

   Crested Wheatgrass: 6 lbs/acre
   Indian Ricegrass: 6 lbs/acre

10. The operator will be responsible for treatment and control of invasive and noxious weeds.

11. All well facilities not regulated by OSHA will be painted Carlsbad Canyon.

12. A right of way will be required. The natural gas pipeline will be surface pipelines and the water lines will be buried (see APD for total distance of each line).

13. Operator shall notify any active gilsonite mining operation within 2 miles of the location 48 hours prior to any blasting during construction for this well.

DOWNHOLE CONDITIONS OF APPROVAL

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

1. Be aware that fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

1. There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.

2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.

3. **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**

4. Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

   All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

   BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

   Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

   No aggressive/fresh hard-banded drill pipe shall be used within casing.

   Cement baskets shall not be run on surface casing.

5. The lessee/operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled and analyzed (a copy of the analyses to be submitted to the BLM Field Office in Vernal, Utah).

6. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.

7. The lessee/operator must report encounters of all non oil and gas mineral resources (such as gilsonite, tar sands, oil shale, etc.) to the Vernal Field Office in writing within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

8. No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office shall be obtained and notification given before resumption of operations.

9. Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

   Any change in the program shall be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) shall be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

   Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.

   In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

10. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.

11. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall have prior written approval from the BLM, Vernal Field Office.

    All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.

12. Oil and gas meters shall be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.

13. A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

14. This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    a. Operator name, address, and telephone number.

    b. Well name and number.

    c. Well location (¼¼, Sec., Twn, Rng, and P.M.).

    d. Date well was placed in a producing status (date of first production for which royalty will be paid).

    e. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).

    f. The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

g. Unit agreement and / or participating area name and number, if applicable.

h. Communitization agreement number, if applicable.

15. Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.

16. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production

17. Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

18. Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

FORM 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: **UTU-15392**

6. If Indian, Allottee or Tribe Name: **NA**

7. If Unit or CA, Agreement Designation: **N/A**

1. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other

8. Well Name and No.: **FEDERAL 9-12-9-18**

2. Name of Operator: **NEWFIELD PRODUCTION COMPANY**

9. API Well No.: **43-047-36468**

3. Address and Telephone No.: **Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

10. Field and Pool, or Exploratory Area: **EIGHT MILE FLAT NORTI**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description): **1977 FSL 658 FEL NE/SE Section 12, T9S R18E**

11. County or Parish, State: **UINTAH COUNTY, UT.**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[ ] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other **APD Change**	[ ] Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Newfield Production Company requests to amend the proposed depth for the Federal 9-12-9-18 from a standard Green River well to a deep gas well. The new proposed depth is 15,433' and will be 9,683' deeper than originally permitted. We will now be drilling into the Mancos formation. I have attached the amended drilling program along with a new 10M double ram, 5M annular, rotary head BOP Schematic.

The remainder of the APD will remain the same.

RECEIVED
JAN 04 2008
DIV. OF OIL, GAS & MINING

COPY SENT TO OPERATOR
Date: 1-8-2008
Initials: KS

14. I hereby certify that the foregoing is true and correct

Signed Mandie Crozier Title Regulatory Specialist Date 1/3/2008

Mandie Crozier

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by Title BRADLEY G. HILL ENVIRONMENTAL MANAGER Date 01-07-08

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

Federal Approval of this Action is Necessary

NEWFIELD PRODUCTION COMPANY
FEDERAL #9-12-9-18
NE/SE SECTION 12, T9S, R18E
UINTAH COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. ***GEOLOGIC SURFACE FORMATION:***

Uinta formation of Upper Eocene Age

2. ***ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:***

Wasatch	5,779'
Mesaverde	9,973'
Castlegate	12,160'
Blackhawk	12,416'
Mancos	13,233'
TD	15,433'

3. ***ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:***

Green River (Douglas Creek) (Oil)	4,454' – 5,779'
Wasatch, Mesaverde, Mancos (Gas)	5,779' – TD

Fresh water may be encountered, but would not be expected below about 600'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO_3) (mg/l)
Dissolved Bicarbonate ($NaHCO_3$) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO_4) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. *PROPOSED CASING PROGRAM*

a. Casing Design

Description	Interval		Weight (lb/ft)	Grade	Coupling	Pore Press @ Shoe	MW @ Shoe	Frac Grad @ Shoe	Design Factors		
	Top	Btm							Burst	Collapse	Tension
Conductor 13-3/8"	0'	200'	54.5	J-55	STC	--	--	--	--	--	--
Surface 8-5/8"	0'	4,000'	32.0	J-55	STC	8.33	8.33	13.0	1.75	1.99	2.91
Prod 4-1/2"	0'	15,433'	13.5	P-110	LTC	11.5	12.0	N/A	1.70	1.36	1.62

Assumptions:

1) Surface casing MASP = (frac gradient + 1.0 ppg) – gas gradient
2) Interm casing MASP = frac gradient – fresh water gradient
3) Prod casing MASP (production mode) = reservoir pressure – gas gradient
4) All collapse calculations assume fully evacuated casing = mud weight – gas gradient
5) All tension calculations assume air weight

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. Cement Design

Job	Fill	Description	Sacks / ft^3	OH Excess	Weight (ppg)	Yield (ft^3/sk)
Conductor	200'	Class G + 3% CaCl2	181 / 211	30%	15.8	1.17
Surface Casing Lead	3,000'	Prem Lite II + 3% KCl + 2% bentonite	493 / 1609	30%	11.0	3.26
Surface Casing Tail	1,000'	Class G + 2% CaCl2	458 / 536	30%	15.8	1.17
Prod Casing Lead	4,800'	Prem Lite II + 3% KCl + 2% bentonite	436 / 1422	30%	11.0	3.26
Prod Casing Tail	7,133'	50/50 Poz Class G + 2% bentonite	1704 / 2113	30%	14.3	1.24

Note: Actual volume pumped will be 15% over caliper log

A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 4-1/2" production casing.

Waiting On Cement: A minimum of four (4) hours shall elapse prior to attempting any pressure testing of the BOP equipment which would subject the surface casing cement to pressure, and a minimum of six (6) hours shall elapse before drilling out of the wiper plug, cement, or shoe is begun. WOC time shall be recorded in the Driller's Log. Compressive Strength shall be a minimum of 500 psi prior to drilling out.

The Vernal BLM Office shall be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

The production casing cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals.

As a minimum, usable water zones shall be isolated and/or protected by having a cement top for the production casing at least 200 feet above the base of the usable water. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a suitable preflush fluid, inner string cement method, etc., shall be utilized to help isolate the cement from contamination by the mud being displaced ahead of the cement slurry.

All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or to 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. If pressure declines more than 10% in 30 minutes, corrective action shall be taken.

A Form 3160-5, "Sundry Notices and Reports on Wells" shall be filed with the Vernal Office Manager within 30 days after the work is completed. This report must include the following information:

Setting of each string of casing showing the size, grade, weight of casing set, depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing, depth of the cementing tools used, casing test method and results, and the date of the work done. Spud date will be shown on the first reports submitted.

5. *MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:*

A 10,000 psi WP hydraulic BOP stack consisting of two ram preventers (double or two singles) will be used. A 5,000 psi WP annular preventer will also be used.

Connections - All components on the stack and choke and kill lines shall have either flanged, studded, clamp hub or equivalent proprietary connections except control line outlets and pressure gauges.

Annular Preventer - The annular shall be rated to a minimum 5000 psi WP, and shall be installed at the top of the stack. A valve rated to full annular WP shall be mounted on the closing side using XX heavy fittings.

Rams and Position - The lower cavity shall contain pipe rams (master ram) to fit the upper section of the drill pipe in use. Casing rams are not required. The upper cavity shall contain blind rams for a 2 ram stack. A means shall be available to mechanically lock the rams closed.

BOP Side Outlets - The choke and kill lines outlets shall be a minimum 2 inches nominal and can be either in the BOP body between the rams or in a spool placed between the rams. Two gate valves rated to full BOP WP shall be installed on both outlets. The outside choke line valve shall be hydraulically operated.

Choke and Kill Lines - The lines shall be a minimum 2 inches nominal, made of seamless steel, seamless steel with Chiksan™ joints, or armored fire resistant hose rated to required BOP WP. The choke line shall be as straight as possible, and securely anchored. All turns shall be 90 degrees and "targeted." When hoses are used, they shall have a rated test pressure of at least 1.5 times the required BOP WP.

Secondary Kill Outlet - One outlet located below the lower rams either on the BOP stack or on the wellhead shall be fitted with two valves, a needle valve with adapter and pressure gauge, all rated to wellhead WP or greater. This outlet is not to be used in normal operations.

Closing Methods - At least three means of operating all the preventers shall be provided, consisting of any combination of the following:

a. An air and/or electrically operated hydraulic pump(s) capable of closing one ram preventer in 30 seconds.

b. An accumulator capable of closing all preventers and opening the hydraulic choke line valve, without requiring a recharge.

c. Manual method with closing handles and/or wheels to be located in an unobstructed area, away from the wellhead, or additional equipment per item "a" and item "b" to provide full redundancy to method.

d. Bottled nitrogen or other back-up storage system to equal accumulator capacity, manifolded to by-pass the accumulator and close the BOP directly.

Hydraulic Closing Unit - The closing unit shall be equipped with:

a. A control manifold with a control valve for each preventer and hydraulically operated valve; a regulator for the annular preventer; and interconnected steel piping. Each blowout preventer control valve should be turned to open position during drilling operations.

b. Control lines to BOPs of seamless steel, seamless steel lines with Chiksan joints, or fire resistant steel armored hose.

c. A remote control panel from which each preventer and hydraulic valve can be operated. If the remote panel becomes inoperable, it shall not interfere with the operation of the main closing unit.

Location - For land locations, the hydraulic closing unit shall be located in an unobstructed area outside the substructure at least 50 feet from the wellhead and the remote panel shall be located near the driller's position. For offshore installations, the location of the closing unit and remote panel shall be such that one is located near the driller position and the other is located away from the well area and is accessible from a logical evacuation route.

Choke Manifold -- The choke manifold will be rated at full working pressure of the BOP stack. The manifold shall be located at least 5 feet from the BOP stack, outside the substructure.

Connections - All components of the manifold shall be equipped with flanged, studded, clamped hub or equivalent proprietary connections (gauge connections exempted).

Flow Wings - Three flow wings shall be provided, capable of transmitting well returns through conduits that are a minimum 2 inches nominal. Two wings shall be equipped with chokes and one gate valve upstream of each choke; one gate valve ahead of the discharge manifold; and one valve downstream of each choke; at least one choke shall be adjustable. A gate valve shall be installed

directly upstream of the cross if single valves are installed upstream of the chokes. One wing with one gate valve capable of transmitting well returns directly to the discharge manifold. The chokes, the valve(s) controlling the unchoked discharge wing, and all equipment upstream of these items shall be rated to required BOP WP.

Discharge Manifold - A discharge manifold (buffer tank), capable of diverting well returns overboard or to the blowdown/reserve pit; to the mud gas separator; and to the shaker tank is required. Lead-filled bull plugs (or equivalent erosion resistant components) shall be installed in the discharge manifold directly opposite the choked wings.

Pressure Monitoring - A means of monitoring the inlet pressure of the choke manifold shall be provided. The capability to isolate this outlet shall be provided.

Mud Gas Separator - An atmospheric or low pressure separating vessel for handling gas cut returns shall be provided. It shall be equipped with gas vent lines to discharge gas at least 150 feet from the rig in downwind direction. Venting above the crown is an acceptable alternative.

Mud System Monitoring - The rig shall be equipped with stroke counters for each pump; continuous recording pit level indicator and totalizer with audible alarm to monitor volume of all active pits; and a continuous recording mud return indicator with audible alarm.

Drillstring Control Devices - An upper and lower kelly valve, drillstring safety valve including correct closing handle, and an inside BOP shall be provided. The safety valve and inside BOP shall have connections or crossovers to fit all tubulars with OD to allow adequate clearance for running in the hole. All drillstring valves shall be rated to the required BOP WP.

Auxiliary Equipment - A kelly saver sub with casing protector larger than tool joints at top of drillstring (for kelly equipped rigs); a wear bushing or wear flange to protect the seal area of the wellhead while drilling; and a plug or cup type BOP test tool shall be provided.

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 10M system, and individual components shall be operable as designed.

Function test of the BOP equipment shall be made daily. All required BOP tests and/or drills shall be recorded in the Driller's report.

Chart recorders will be used for all pressure tests. Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to BLM representatives upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2 regarding air or gas shall be adhered to. If a mist system is being utilized, the requirement for a deduster shall be waived.

6. *TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:*

From surface to ± 4000' will be drilled with fresh water or an air/mist system, depending on the drilling contractor's preference. From 4000' to TD, fresh water or a fresh water-based mud system will be utilized. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated maximum mud weight is 12.0 lbs/gal. As necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel and barite.

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

7. *AUXILIARY SAFETY EQUIPMENT TO BE USED:*

None unless dictated by unanticipated well conditions.

8. *TESTING, LOGGING AND CORING PROGRAMS:*

a. Logging Program:
(the log types run may change at the discretion of the geologist)

FDC/CNL/GR/DIL: TD – 4,000'
CBL: A cement bond log will be run from TD to the top of cement behind the production casing. A field copy will be submitted to the Vernal BLM Office.

b. Cores: As deemed necessary.

c. Drill Stem Tests: No DSTs are planned.

Drill stem tests, if they are run, will adhere to the following requirements: Initial opening of the drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours is obtained from the Authorized Officer (AO). However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vapor-proof for safe operations). Packers can be released but tripping shall not begin before daylight, unless prior approval is obtained from the AO. Closed chamber DSTs may be performed day or night.

Some means of reverse circulation shall be provided in case of flow to the surface showing evidence of hydrocarbons.

Separation equipment required for the anticipated recovery shall be properly installed before a test starts.

If a DST is performed, all engines within 100 feet of the wellbore that are required to be operational during the test shall have spark arresters or water-cooled exhausts.

9. *ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:*

No abnormal temperatures and/or pressures are anticipated in the well. Maximum anticipated bottomhole pressure will be approximately equal total depth in feet multiplied by a 0.47 psi/foot gradient.

10. *ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:*

a. Drilling Activity

Anticipated Commencement Date:	Upon approval of the site specific APD.
Drilling Days:	Approximately 40 days.
Completion Days:	Approximately 12 - 20 days.

b. Notification of Operations

The Vernal BLM office will be notified at least 24 hours **prior** to the commencement of spudding the well (to be followed with a Sundry Notice, Form 3160-5), of initiating pressure tests of the blowout preventer and related equipment, and running casing and cementing of all casing strings. Notification will be made during regular work hours (7:45 a.m.-4:30 p.m., Monday - Friday except holidays).

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the appropriate regulations, Onshore Orders, or BLM policy.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in suspended status without prior approval from the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given to the BLM before resumption of operations.

Daily drilling and completion reports shall be submitted to the Vernal BLM Office on a weekly basis.

Whether the well is completed as a dry hole or a producer, the "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. One copy of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Authorized Officer (AO).

A completion rig will be used for completion operations after the wells are stimulated to run the production tubing.. All conditions of this approved plan will be applicable during all operations conducted with the completion rig.

Operator shall report production data to the MMS pursuant to 30 CFR 216.5 using form MMS/3160. In accordance with Onshore Oil and Gas Order No. 1, a well will be reported on form 3160-6, "Monthly Report of Operations," starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed with the Vernal BLM Office.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated, or the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever occurs first; and for gas wells, as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is

required to be generated, or the date on which gas is measured through permanent metering facilities, whichever occurs first.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by written communication not later than 5 days following the date when the well is placed on production.

Pursuant to Onshore Order No. 7, with the approval of the AO, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During this period, an application for approval of the permanent disposal method must be submitted to the AO.

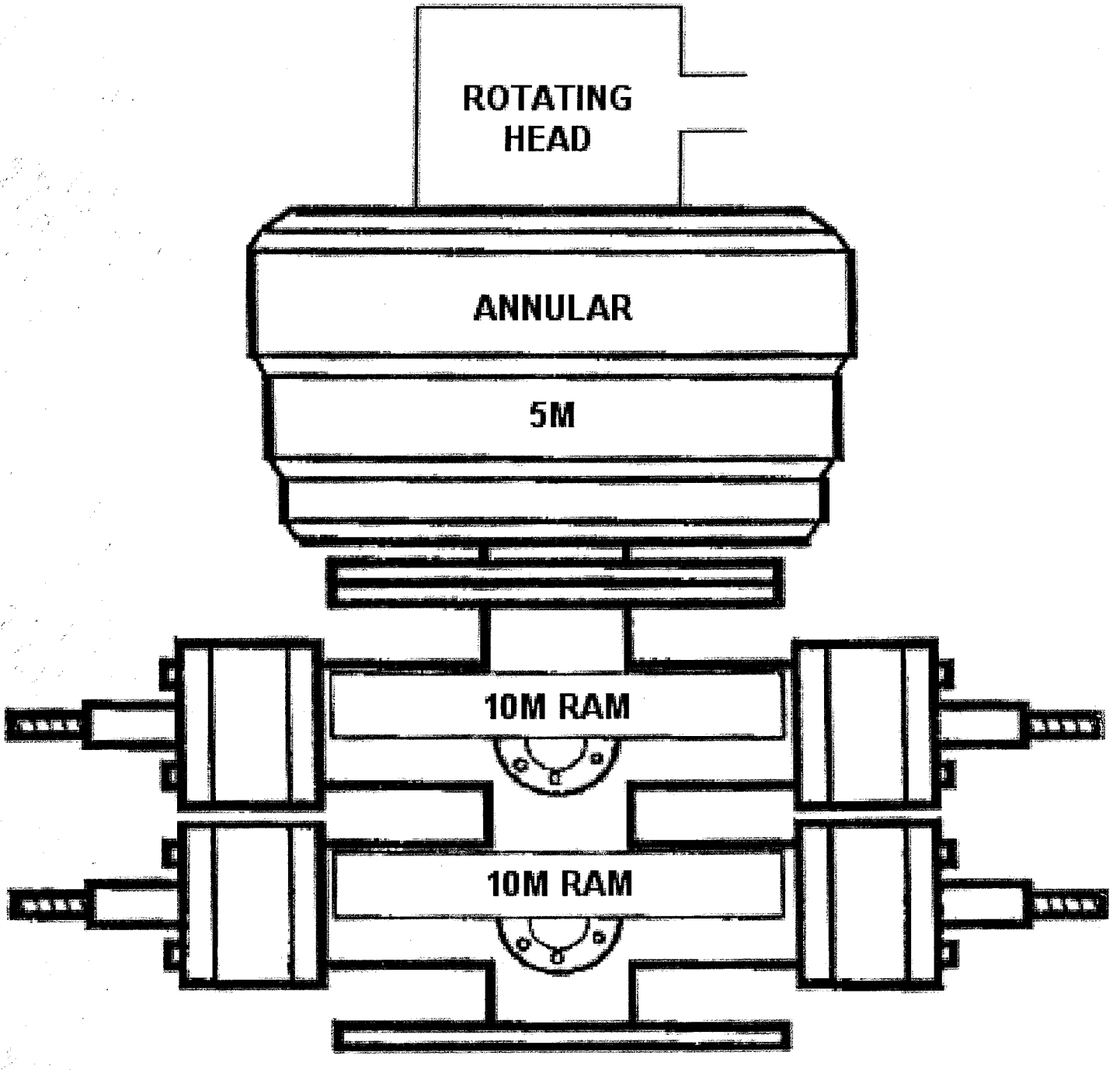
Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during the initial well evaluation tests, not to exceed 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the AO and approval received for any venting/flaring of gas beyond the initial 30 days or authorized test period.

A schematic facilities diagram, as required by 43 CFR 3162.7-5(b.9.d), shall be submitted to the Vernal BLM Office within 60 days of installation or first production, whichever occurs first. All site security regulations, as specified in Onshore Oil & Gas Order No. 3, shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5(b.4).

Well abandonment operations shall not be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment", Form 3160-5, will be filed with the Authorized Officer within 30 days following completion of the well for abandonment. This report will indicate placement of the plugs and current status of the surface restoration. Final Abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO, or the appropriate surface managing agency.

Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with the State and local laws, to the extent to which they are applicable, to operations on Federal or Indian lands.

TYPICAL BLOWOUT PREVENTER
11" 10M BOP STACK



FORM 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

RECEIVED
FEB 29 2008
DIV. OF OIL, GAS & MINING

5. Lease Designation and Serial No.
UTU-15392

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
N/A

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
FEDERAL 9-12-9-18

9. API Well No.
43-047-36468

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

10. Field and Pool, or Exploratory Area
EIGHT MILE FLAT NORTI

3. Address and Telephone No.
Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

11. County or Parish, State
UINTAH COUNTY, UT.

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
1977 FSL 658 FEL NE/SE Section 12, T9S R18E

12. **CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[ ] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other **Permit Extension**	[ ] Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 3/30/05 ~~(expiration 3/30/08)~~

This APD is not yet due to expire with the BLM.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 03-03-08
By:

COPY SENT TO OPERATOR
Date: 3-4-2008
Initials: KS

14. I hereby certify that the foregoing is true and correct

Signed Mandie Crozier Title Regulatory Specialist Date 2/26/2008

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

[redacted]

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FEB 29 2008
DIV. OF OIL, GAS & MINING

Application for Permit to Drill
Request for Permit Extension
Validation
(this form should accompany the Sundry Notice requesting permit extension)

API: 43-047-36468
Well Name: Federal 9-12-9-18
Location: NE/SE Section 12,T9S R18E
Company Permit Issued to: Newfield Production Company
Date Original Permit Issued: 3/30/2005

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes☐No☐ (A

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes☐No☑

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes☐No☑

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes☐No☑

Has the approved source of water for drilling changed? Yes☐No☑

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes☐No☑

Is bonding still in place, which covers this proposed well? Yes☑No☐

Signature

2/28/2008
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

FORM 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
UTU-15392

6. If Indian, Allottee or Tribe Name
NA

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2008 FEB 29 PM 1:37
BUREAU OF LAND MGMT.

7. If Unit or CA, Agreement Designation
N/A

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
FEDERAL 9-12-9-18

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

9. API Well No.
43-047-36468

3. Address and Telephone No.
Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

10. Field and Pool, or Exploratory Area
EIGHT MILE FLAT NORTI

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
1977 FSL 658 FEL NE/SE Section 12, T9S R18E

11. County or Parish, State
UINTAH COUNTY, UT.

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[ ] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other **Permit Extension**	[ ] Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 3/09/07 (expiration 3/09/08).

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MAR 2 4 2008
DIV. OF OIL, GAS & MINING

CONDITIONS OF APPROVAL ATTACHED

14. I hereby certify that the foregoing is true and correct
Signed Mandie Crozier Title Regulatory Specialist Date 2/26/2008

CC: UTAH DOGM

(This space for Federal or State office use)
Approved by Title Petroleum Engineer Date MAR 1 0 2008
Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UDOGM

CONDITIONS OF APPROVAL

Newfield Production Company

Notice of Intent
APD Extension

Lease: UTU-15392
Well: Federal 9-12-9-18
Location: NESE Sec 12-T9S-R18E

An extension for the referenced APD is granted with the following conditions:

---

1. The extension and APD shall expire on 3/9/09.

2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Ryan Angus of this office at (435) 781-4430

FORM 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
UTU-15392

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
N/A

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
FEDERAL 9-12-9-18

9. API Well No.
43-047-36468

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

10. Field and Pool, or Exploratory Area
EIGHT MILE FLAT NORTI

3. Address and Telephone No.
Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

11. County or Parish, State
UINTAH COUNTY, UT.

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
1977 FSL 658 FEL NE/SE Section 12, T9S R18E

12. **CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[ ] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other **Tight Hole Status**	[ ] Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Newfield Production would like to request "Tight Hole Status" for the above mentioned well.

14. I hereby certify that the foregoing is true and correct
Signed Mandie Crozier Title Regulatory Specialist Date 6/30/2008
Mandie Crozier

CC: UTAH DOGM

(This space for Federal or State office use)
Approved by _____ Title _____ Date _____
Conditions of approval, if any:
CC: Utah DOGM

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JUL 01 2008
DIV. OF OIL, GAS & MINING

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

FORM 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31,2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on page 2

5. Lease Serial No.
UTU-15392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
MON BUTTE DEEP

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
FEDERAL 9-12-9-18

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

9. API Well No.
4304736468

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE DEEP

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
1977 FSL 658 FEL

NWSE Section 12 T9S R18E

CONFIDENTIAL

11. County or Parish, State
UINTAH, UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other APD Change
	☐ Change Plans	☐ Plug & Abandon	☐ Temporarily Abandon	
	☐ Convert to Injector	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield Production Company requests to amend the proposed well pad size. The footages of the proposed well now be 1980 FSL and 660 FEL. see attached plats.

The remainder of the APD will remain the same.

598842X
44332324
40.045421
-109.841334

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 08-20-08
By:

COPY SENT TO OPERATOR
Date: 8.21.2008
Initials: KS

I hereby certify that the foregoing is true and correct *(Printed/ Typed)* Mandie Crozier	Title Regulatory Specialist
Signature	Date 08/18/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

Cc: Utah DOGM

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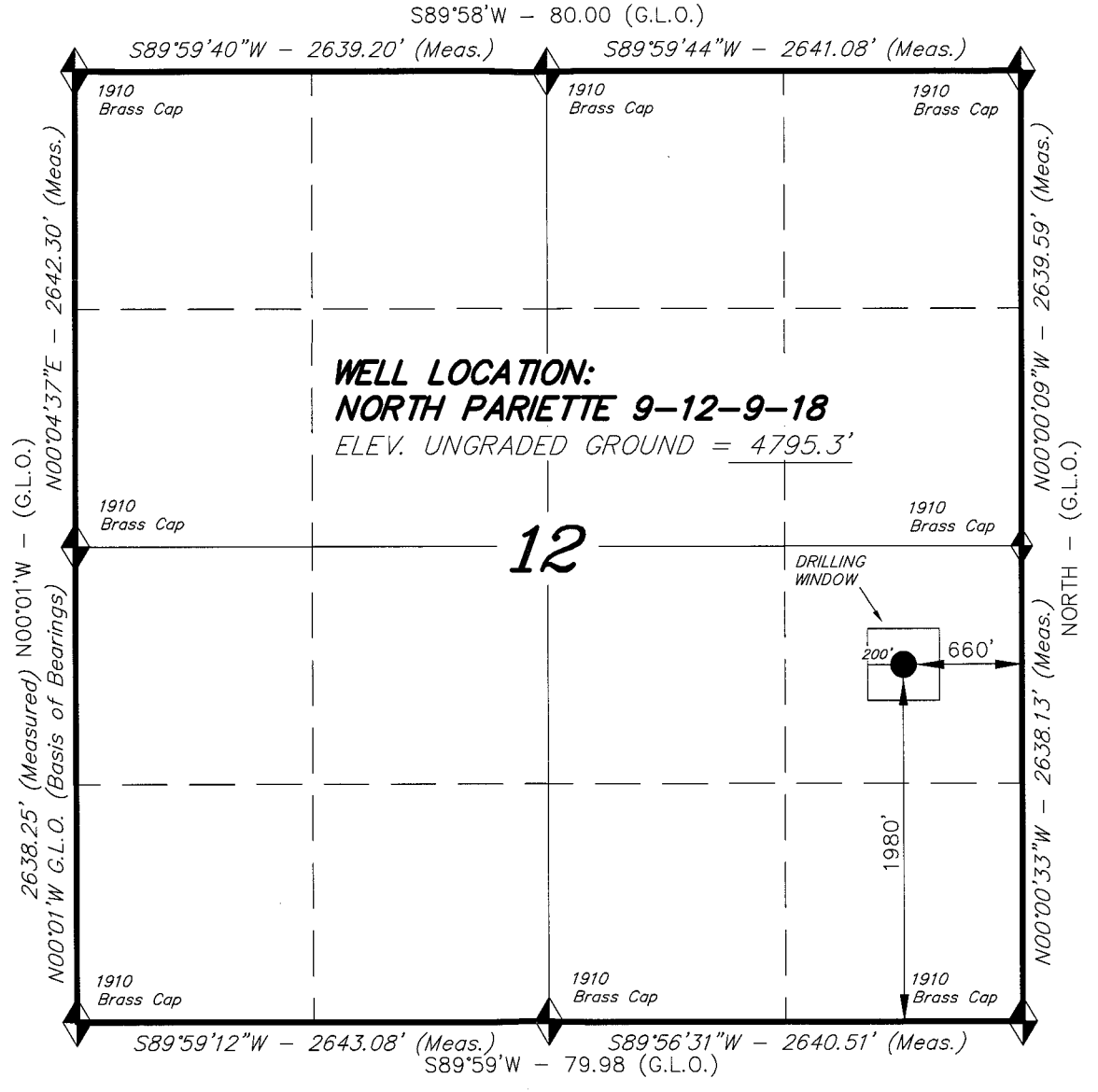
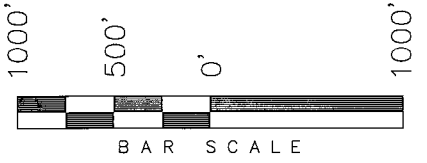
AUG 20 2008
DIV. OF OIL, GAS & MINING

T9S, R18E, S.L.B.&M.

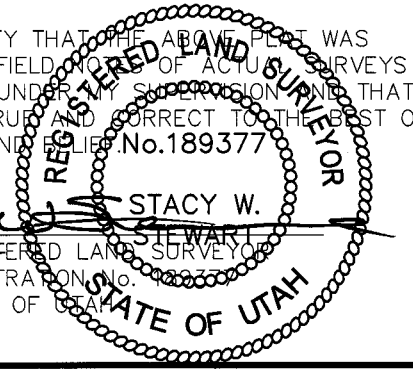


NEWFIELD PRODUCTION COMPANY

WELL LOCATION, NORTH PARIETTE 9-12-9-18, LOCATED AS SHOWN IN THE NE 1/4 SE 1/4 OF SECTION 12, T9S, R18E, S.L.B.&M. UINTAH COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (UTELAND BUTTE)

NORTH PARIETTE 9-12-9-18
(Surface Location) NAD 83
LATITUDE = 40° 02' 36.79"
LONGITUDE = 109° 50' 05.57"

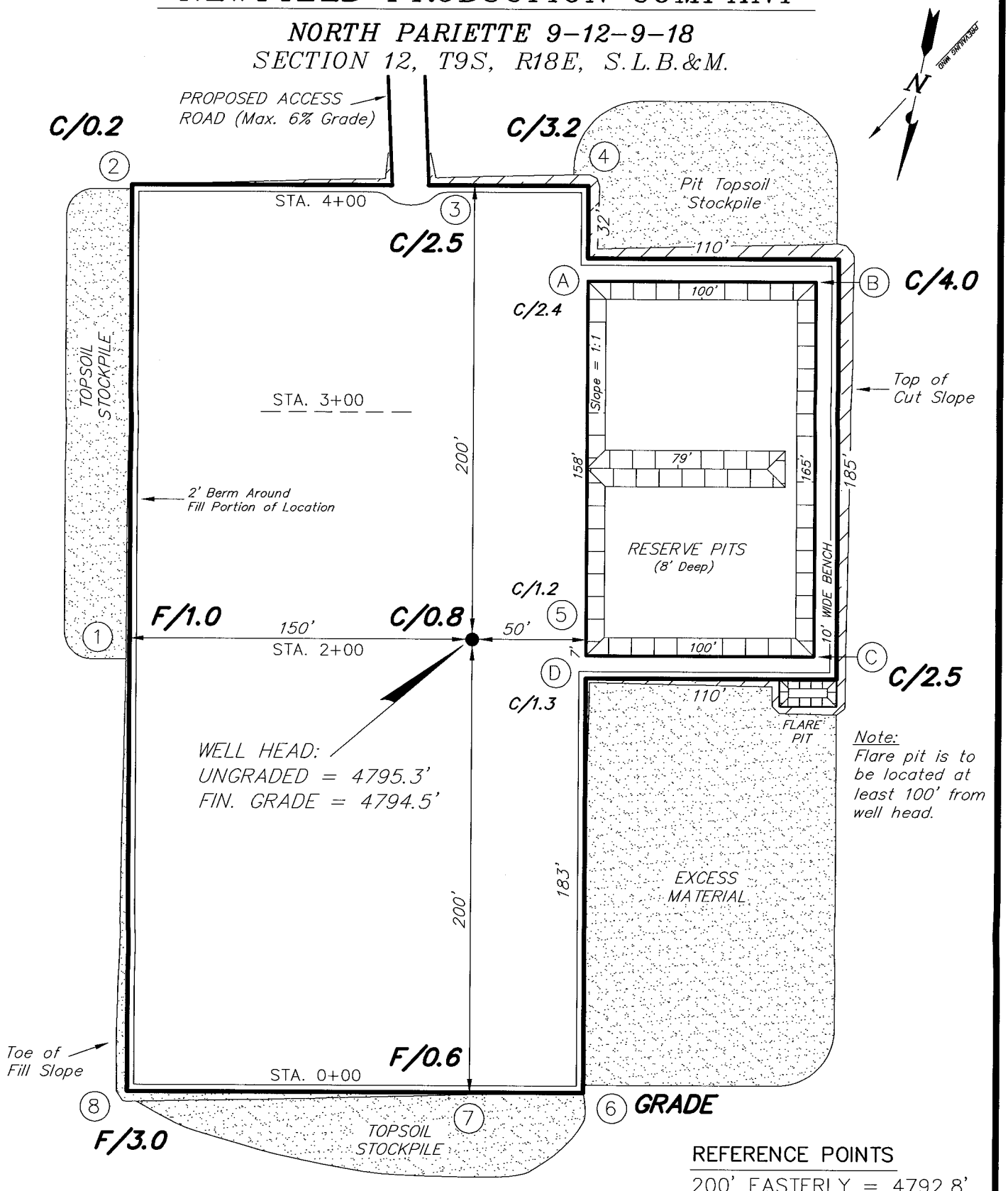
TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. – VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 06-03-08	SURVEYED BY: C.M.
DATE DRAWN: 06-09-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

NEWFIELD PRODUCTION COMPANY

NORTH PARIETTE 9-12-9-18

SECTION 12, T9S, R18E, S.L.B.&M.



REFERENCE POINTS

200' EASTERLY = 4792.8'
250' EASTERLY = 4792.1'
250' NORTHERLY = 4793.5'
300' NORTHERLY = 4793.5'

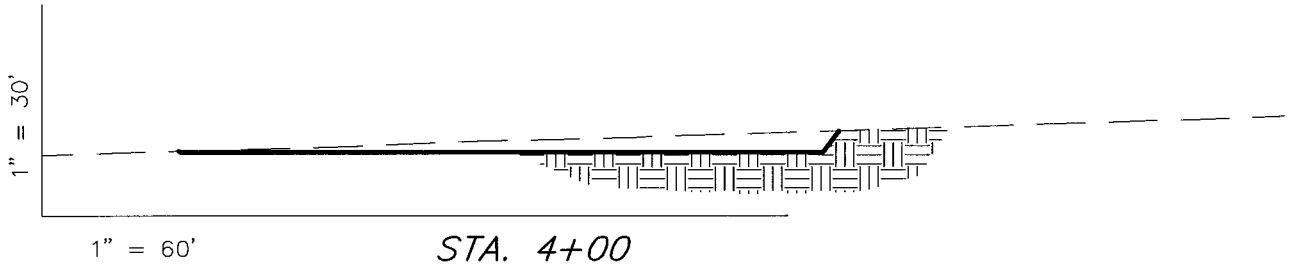
SURVEYED BY: C.M.		DATE SURVEYED:	06-03-08
DRAWN BY: F.T.M.		DATE DRAWN:	06-09-08
SCALE: 1" = 60'		REVISED:	

Tri State Land Surveying, Inc. (435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

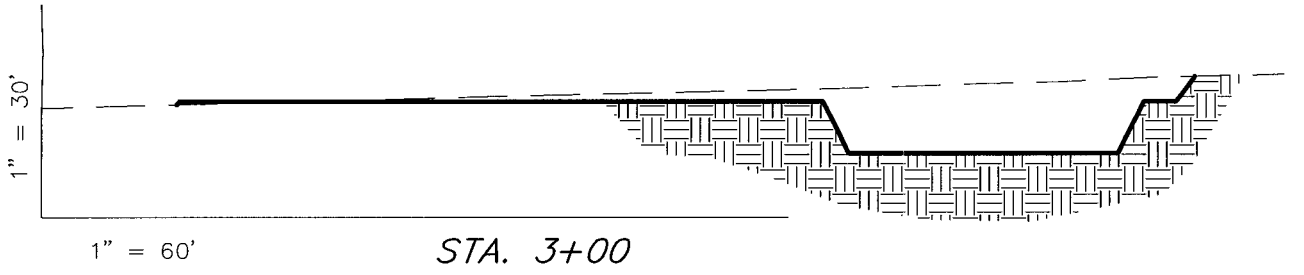
NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

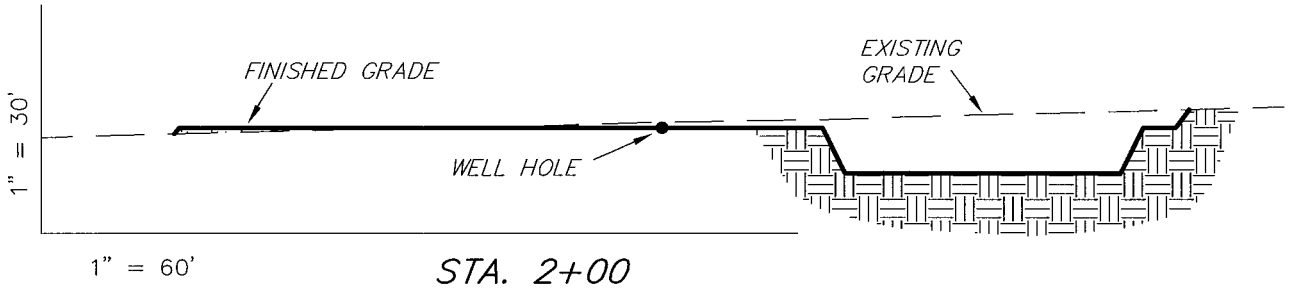
NORTH PARIETTE 9-12-9-18



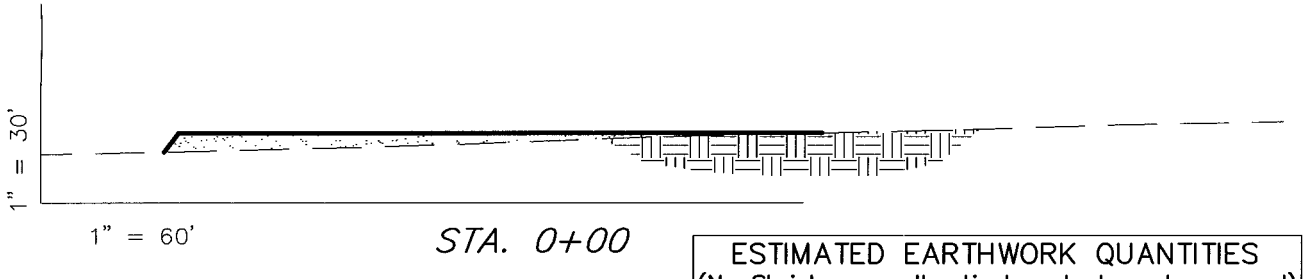
STA. 4+00



STA. 3+00



STA. 2+00



STA. 0+00

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,600	2,600	Topsoil is not included in Pad Cut	0
PIT	4,100	0		4,100
TOTALS	6,700	2,600	1,940	4,100

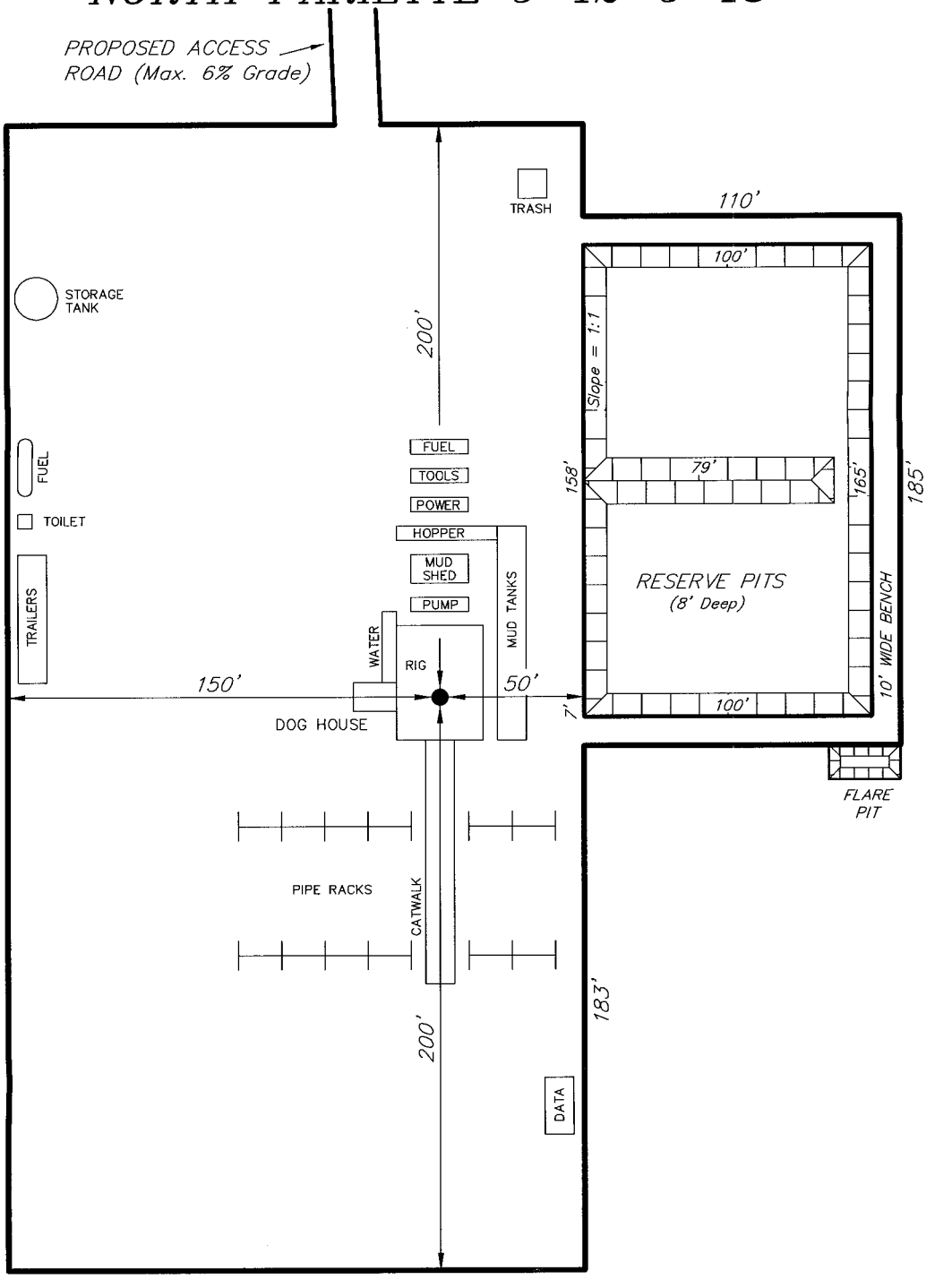
NOTE:
UNLESS OTHERWISE
NOTED ALL CUT/FILL
SLOPES ARE AT 1.5:1

SURVEYED BY: C.M.	DATE SURVEYED:	06-03-08	
DRAWN BY: F.T.M.	DATE DRAWN:	06-09-08	
SCALE: 1" = 60'	REVISED:		

Tri State Land Surveying, Inc.
(435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT
NORTH PARIETTE 9-12-9-18



SURVEYED BY: C.M.	DATE SURVEYED:	06-03-08	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN:	06-09-08	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:		

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: **NEWFIELD PRODUCTION COMPANY**

Well Name: **FEDERAL 9-12-9-18**

Api No: **43-047-36468** Lease Type: **FEDERAL**

Section **12** Township **09S** Range **18E** County **UINTAH**

Drilling Contractor **ROSS DRILLING** RIG # **21**

SPUDDED:

Date **08/24/08**

Time **7:00 AM**

How **DRY**

Drilling will Commence:

Reported by **DON BASTIAN**

Telephone # **(435) 823-6012**

Date **08/25/08** **Signed** **CHD**

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM -FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	13195	4301333964	SOUTH MON BUTTE FEDERAL G-1-9-16	SENW	1	9S	16E	DUCHESNE	8/16/2008	

WELL 1 COMMENTS: processed 8/25/08

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	17063	4304739410	UTE TRIBAL 15-35-4-1E	SWSE	35	4S	1E	UINTAH	8/20/2008	9/22/08

GRRV (Rigskid to 43-047-40333)

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE
A	99999		4304740333	UTE TRIBAL 15A-35-4-1	SWSE	35	4S	1E	UINTAH	8/22/2008	

HOLD

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	17064	4301333230	FEDERAL 11-20-9-17	NESW	20	9S	17E	DUCHESNE	8/21/2008	9/22/08

GRRV

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	17065	4304736468	FEDERAL 9-12-9-18	NESW	12	9S	18E	UINTAH	8/25/2008	9/22/08

WELL 5 COMMENTS: MNCS NESE

CONFIDENTIAL

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	12418	4301333984	WEST POINT FEDERAL M 7-9-16	SENW	7	9S	16E	DUCHESNE	8/25/2008	9/22/08

WELL 6 COMMENTS: GRRV BHL = SWNE

ACTION CODES (See instructions on back of form)
- A - new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED
AUG 28 2008
DIV. OF OIL, GAS & MINING

Jentri Park
Signature
Production Clerk
08/28/08
Date

FORM 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31,2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

CONFID

SUBMIT IN TRIPLICATE - Other Instructions on page 2

5. Lease Serial No.
UTU-15392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
MON BUTTE DEEP

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
FEDERAL 9-12-9-18

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

9. API Well No.
4304736468

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE DEEP

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
1977 FSL 658 FEL

NESE Section 12 T9S R18E

11. County or Parish, State
UINTAH, UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug & Abandon	☐ Temporarily Abandon	
	☐ Convert to Injector	☒ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

While drilling 12-1/4" surface hole as planned, extreme deviation was observed at a depth of approximately 3,000'. Deviation surveys were being taken at 500' intervals. Inclination increased from 2.5 deg at 2,500' to 13 deg at 3,000'. The well was plugged back with cement from a depth of 3,274' to approximately 2,200'. Directional tools were used to drill off the plug and back to vertical.

RECEIVED
SEP 29 2008
DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct *(Printed/ Typed)*
Mandie Crozier

Title
Regulatory Specialist

Signature
Mandie Crozier

Date
09/25/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-15392

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: MON BUTTE DEEP

1. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER

8. WELL NAME and NUMBER: FEDERAL 9-12-9-18

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 4304736468

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER: 435.646.3721

10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE DEEP

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 1977 FSL 658 FEL

COUNTY: UINTAH

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESE, 12, T9S, R18E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
[ ] NOTICE OF INTENT (Submit in Duplicate)	[ ] ACIDIZE	[ ] DEEPEN	[ ] REPERFORATE CURRENT FORMATION
Approximate date work will	[ ] ALTER CASING	[ ] FRACTURE TREAT	[ ] SIDETRACK TO REPAIR WELL
	[ ] CASING REPAIR	[ ] NEW CONSTRUCTION	[ ] TEMPORARILY ABANDON
	[ ] CHANGE TO PREVIOUS PLANS	[ ] OPERATOR CHANGE	[ ] TUBING REPAIR
	[ ] CHANGE TUBING	[ ] PLUG AND ABANDON	[ ] VENT OR FLAIR
[X] SUBSEQUENT REPORT (Submit Original Form Only)	[ ] CHANGE WELL NAME	[ ] PLUG BACK	[ ] WATER DISPOSAL
Date of Work Completion:	[ ] CHANGE WELL STATUS	[ ] PRODUCTION (START/STOP)	[ ] WATER SHUT-OFF
01/07/2009	[ ] COMMINGLE PRODUCING FORMATIONS	[ ] RECLAMATION OF WELL SITE	[X] OTHER: - Operations suspended
	[ ] CONVERT WELL TYPE	[ ] RECOMPLETE - DIFFERENT FORMATION	

3274

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operations Suspended.

NAME (PLEASE PRINT) Jentri Park TITLE Production Clerk

SIGNATURE DATE 01/07/2009

(This space for State use only)

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CONFIDENTIAL

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: UTU-15392

1a. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other: _____

6. If Indian, Allottee or Tribe Name: NA

7. Unit or CA Agreement Name and No.: Federal

2. Name of Operator: NEWFIELD EXPLORATION COMPANY

8. Lease Name and Well No.: Federal 9-12-9-18

3. Address: 1401 17TH ST. SUITE 1000 DENVER, CO 80202

3a. Phone No. *(include area code)*: (435)646-3721

9. AFI Well No.: 43-047-36468

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface 1911' FSL & 658' FEL (NE/SE) SEC. 12, T9S, R18E

10. Field and Pool or Exploratory: MONUMENT BUTTE DEEP

11. Sec., T., R., M., on Block and Survey or Area: SEC. 12, T9S, R18E

At top prod. interval reported below

At total depth

12. County or Parish: Uintah

13. State: UT

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
08/23/2008	10/26/2008	☐ D & A ☑ Ready to Prod. 02/07/2009	4791' GL 4803' KB

18. Total Depth:	19. Plug Back T.D.:	20. Depth Bridge Plug Set:
MD 15433' TVD 15433'	MD 15399' TVD	MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DUAL IND GRD, SP, COMP. DENSITY,COMP. NEUTRON,GR,CALIPER, CMT BOND

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☑ No ☐ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.25"	8-5/8" J-55	32#		4037'		222 CLASS G			
"7.875	4-1/2" J-55	15.1#		15,488"		815 PRIMLITE			
						1100 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	EOT@13276'	TA @ N/A'						

25. Producing Intervals MVCS

Formation	Top	Bottom	26. Perforation Record: Perforated Interval	Size	No. Holes	Perf. Status
A)			(1) 15,132'-15270'	.38"	3	414
B)			(2) 14,843'-15,048	.38"	3	615
C)			(3) 14,708'-14,760	.38"	3	156
D)			(4) 14,382'-14,492'	.38"	3	330

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
15,132'-15,270	Frac w/ 10,765# 100 MESH, 72,548# 40/70 WHITE
14,843'-15,048'	FRAC W/ 11,479# 100 MESH, 51,520# 40/70 WHITE
14,708'-14760'	FRAC W/ 11,874'# 100 MESH, 73,544# 40/70 WHITE
14,382'-14,492'	FRAC W/ 10,434# 100 MESH 72,276# 40/70 WHITE

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
02/09/09	02/14/09	24	→	0	1677	388			

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					PRODUCING

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

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*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*

Sold

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth

32. Additional remarks (include plugging procedure):

(5) 14,230'-14,350' 3/360 14,230'-14,350' FRAC W/ 9886# 100 MESH 75,969# 40/70 WHITE
(6) 13,842'-13958' 3/348 13,842'-13,958' FRAC W/ 10,236# 100 MESH 66,030# 40/70 WHITE

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☑ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☑ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* Jentri Park Title Production Clerk

Signature Date 06/23/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

Formation Top	SRC	MD	TVDSS	TVD	Chg Date	Description
SAR_X_MKR	SAR	4,269	551	4,267	11/18/2008	X MARKER
SAR_WASATCH	SAR	5,809	-988	5,806	1/13/2009	Top Wasatch
SAR_TOP_CONTINUOUS_GAS	SAR	9,752	-4,928	9,746	1/7/2009	Top of Continuous Gas
SAR_DARK_CANYON	SAR	9,645	-4,821	9,639	1/21/2009	Top Dark Canyon Alluvial Fan
SAR_DARK_CANYON_SM1	SAR	9,791	-4,968	9,786	1/7/2009	Dark Canyon Shale Marker 1
SAR_KMV	SAR	9,993	-5,170	9,988	1/21/2009	Top KMV Price River
SAR_MIDDLE_PRICE_RIVER	SAR	10,721	-5,896	10,714	1/13/2009	Middle Price River
SAR_BLUE_CASTLE	SAR	10,936	-6,112	10,930	1/21/2009	Top of the Blue Castle
SAR_BASE_BLUE_CASTLE	SAR	11,153	-6,328	11,146	1/13/2009	Base Blue Castle
SAR_LOWER_PRICE_RIVER	SAR	11,404	-6,579	11,397	1/13/2009	Lower Price River
SAR_SEGO	SAR	12,099	-7,274	12,092	11/13/2008	Top Sego
SAR_CASTLEGATE	SAR	12,217	-7,392	12,210	1/13/2009	Top Castlegate
SAR_BASE_CASTLEGATE	SAR	12,471	-7,645	12,463	11/13/2008	Base Castlegate
SAR_DESERT_BHWK	SAR	12,478	-7,653	12,471	1/13/2009	Top of the Desert memebr of the Blackhawk
SAR_GRASSY_BHWK	SAR	12,540	-7,714	12,532	1/13/2009	Grasssy member of the Blackhawk
SAR_SUNNYSIDE_BHWK	SAR	12,690	-7,864	12,682	11/13/2008	Sunnyside member of the Blackhawk
SAR_KENILWORTH_BHWK	SAR	12,882	-8,056	12,874	11/13/2008	Sunnyside member of the Blackhawk
SAR_ABERDEEN_BHWK	SAR	12,990	-8,164	12,982	1/13/2009	Aberdeen member of the Blackhawk
SAR_SPRING_CANYON_BHWK	SAR	13,115	-8,289	13,107	11/13/2008	Spring Canyon Memebr of the Blackhawk
SAR_BASE_SC_SHOREFACE	SAR	13,152	-8,326	13,144	1/13/2009	Base Spring Canyon Shoreface Sands
SAR_MANCOS	SAR	13,229	-8,403	13,221	1/13/2009	Top Mancos
SAR_MANCOS_ALPHA	SAR	13,432	-8,606	13,424	1/13/2009	Mancos_Alpha
SAR_MANCOS_BRAVO	SAR	13,497	-8,671	13,489	1/13/2009	Mancos_Bravo
SAR_MANCOS_CHARLIE	SAR	13,572	-8,746	13,564	1/13/2009	Mancos_Charlie
SAR_MANCOS_B	SAR	13,602	-8,775	13,593	1/13/2009	Top Mancos B
SAR_BASE_MANCOS_B	SAR	13,708	-8,882	13,700	11/13/2008	Base Mancos B
SAR_MANCOS_DELTA	SAR	13,714	-8,887	13,705	11/18/2008	Mancos_Delta
SAR_MANCOS_ECHO	SAR	13,924	-9,098	13,916	1/13/2009	Mancos_Echo
SAR_MANCOS_FOXTROT	SAR	14,065	-9,238	14,056	1/13/2009	Mancos_Foxtrot
SAR_MANCOS_GOLF	SAR	14,328	-9,502	14,320	1/13/2009	Mancos_Golf
SAR_MANCOS_HOTEL	SAR	14,649	-9,822	14,640	1/13/2009	Mancos_Hotel
SAR_MANCOS_INDIA	SAR	14,981	-10,153	14,971	1/13/2009	Mancos_India
SAR_MANCOS_JULIET	SAR	15,266	-10,438	15,256	1/13/2009	Mancos_Juliet

Daily Activity Report

Format For Sundry

FEDERAL 9-12-9-18

9/1/2008 To 1/30/2009

FEDERAL 9-12-9-18 **Rigging down on Fed.15-24-9-18**

Date: 9/8/2008

DHS #12 at . Days Since Spud - Rig down floor, kelly, standpipe, and subs. Rig down gas buster lines. - Shut down operations until 6:am. Will resume @ 6am w/ 2 crews working dayline hours.

Daily Cost: $0

Cumulative Cost: $14,608

FEDERAL 9-12-9-18 **Rigging down on Fed.15-24-9-18**

Date: 9/9/2008

DHS #12 at . 0 Days Since Spud - Continue rigging down DHS # 12 and prepare for rig move. Moved camp and set up.

Daily Cost: $0

Cumulative Cost: $34,156

FEDERAL 9-12-9-18 **Rigging down on Fed.15-24-9-18**

Date: 9/10/2008

DHS #12 at . 0 Days Since Spud - Load out and move rig components. 80% of rig moved to Fed.9-12-9-18 location. Items remaining - - substructure and matting. Shut down operations until daylight.

Daily Cost: $0

Cumulative Cost: $53,704

FEDERAL 9-12-9-18 **Rigging up on Fed. 9-12-9-18**

Date: 9/11/2008

DHS #12 at . 0 Days Since Spud - 95% of rig components on location. - re-welding and derrick inspection. - Moved matting and sub to new location and set in place. Set BOP in substructure. Set doghouse, - Unload derrick and set on pipe racks. Note: Derrick cross members supporting crown - tool house, engine / drawworks skid. Set mud tanks and mud pump #1. - have been damaged. DHS management will visually inspect and determine if this will require

Daily Cost: $0

Cumulative Cost: $118,333

FEDERAL 9-12-9-18 **Rigging up on Fed.9-12-9-18**

Date: 9/12/2008

DHS #12 at . 0 Days Since Spud - Estimated spud date: Monday Sept 15. - location Friday morning. - Continue setting in mud pump #2, gas buster, water tanks, koomey unit, and stair ways. Rig up - mud pits and mud pumps. Welder repairing damage to derrick. - All rig and rental equipment off Federal 15-24-9-18 location. Mud materials will be trucked to new

Daily Cost: $0

Cumulative Cost: $137,881

FEDERAL 9-12-9-18 **Rigging up on Fed.9-12-9-18**

Date: 9/13/2008

DHS #12 at . 0 Days Since Spud - Rig is currently 60% rigged up. Expected spud date - Tuesday AM. - Rig Repair - Finish welding repairs to derrick, replace brake band on drawwork, repairing rotary - table. Magnaflux BHA, kelly, swivel, kelly spinner, kelly valve, and subs.
Daily Cost: $0
Cumulative Cost: $188,327

FEDERAL 9-12-9-18 **Rigging up on Fed.9-12-9-18**
Date: 9/14/2008
DHS #12 at . 0 Days Since Spud - 75% rigged up - anticipated spud date: Tuesday am - Continue rigging up - 2nd crane arrived @ 9am. Rig up and lift derrick, pin to substructure and set - on stand. Set in catwalk, slide, and block stand. Set blocks on stand and prepare to string up. - Change liners on mud pumps.
Daily Cost: $0
Cumulative Cost: $207,875

FEDERAL 9-12-9-18 **Rigging up on Fed.9-12-9-18**
Date: 9/15/2008
DHS #12 at . 0 Days Since Spud - 90% rigged up - Anticipated spud date: Tuesday - RU Pason, air and water lines. - String up blocks. - and brass. - Break in and adjust drawwork brakes. Work on #1 forward motor. Install new dead man bolts - Safety meeting - Raise derrick. Continue rigging up. RU lights, tuggers, hand rails, 7floor plates
Daily Cost: $0
Cumulative Cost: $227,423

FEDERAL 9-12-9-18 **Rigging up on Fed.9-12-9-18**
Date: 9/16/2008
DHS #12 at . 0 Days Since Spud - RU koomey, Pick up bails and elevators. Adjust cathead, torque kelly, RU spinner while - 98% rigged up. - waiting on delivery of BOP bolts / nuts. - NU BOP. Set in single gate, mud cross, double gate, and 10k annular. NU BOP kill side and - choke side. Install flowline. Welder modifying choke melon.
Daily Cost: $0
Cumulative Cost: $247,666

FEDERAL 9-12-9-18 **Pre-Spud Inspection / PU BHA**
Date: 9/17/2008
DHS #12 at . 0 Days Since Spud - Adjust derrick rack, strap BHA, install wear bushing. - Clean up floor, clean cement out of flowline, center BOP stack - 250 psi low for 5 minutes / 2000 psi high for 10 minutes. All components tested ok. - NU BOP - Torque up nuts w / hydraulic wrenches. RU choke mellon, welder modifying to fit - Test BOP - Tested upper & lower kelly valve, safety valve, dart valve, upper and lower pipe rams, - Hook up hydraulic lines and function test BOP, swap lines hooked up wrong, refunction test - OK. - in DHS chole house. - blind rams, choke, kill lines, and valves, choke manifold, power choke and annular preventor to
Daily Cost: $0
Cumulative Cost: $306,051

FEDERAL 9-12-9-18 **Drilling 12 1/4" hole**
Date: 9/18/2008

DHS #12 at . 0 Days Since Spud - Drill f/ 650' - 990'. (340' @ 68 fph). Diff: 350, WOB: 20-25k, Rot: 60, SPP: 1500 psi. - Service Rig, function test upper pipe rams. - Drill f/ 528' - 650'. (122' @ 81 fph). Diff: 350, WOB: 20-25k, Rot: 50, SPP: 1500 psi. - Survey @ 450': 0 deg. -

Pre Spud inspection, hold Pre spud safety meeting. - Drill out cement f/ 210' - 244'. - Sand trap discharge water channeling under mud pits - berm up to flow into reserve pit - Make up bit, motor, shock sub, 8" DC, IBS, 8" DC, IBS, 8"x6" sub, XO, 61/2" DCs. Tag cement @ 210'. - Drill f/ 244' to 528'. (284' @ 63 fph). WOB: 5-10k, Diff: 350psi.
Daily Cost: $0
Cumulative Cost: $329,509

FEDERAL 9-12-9-18 **Drilling 12 1/4" hole @ 2391'**
Date: 9/19/2008
DHS #12 at 2391. 1 Days Since Spud - Drill f/ 2041' - 2391. (350' @ 60 fph). Diff: 200-300, WOB: 10- 15k, Rot: 50, SPP: 1750 psi. - Pump sweep, Survey @ 1963': 2.0 deg. Function test annular. Mud Pump #1 back on line - Drill f/ 1540' - 2041'. (501' @ 59 fph). Diff: 200-300, WOB: 10- 15k, Rot: 50, SPP: 1100 psi. - Survey @ 1462': 1.0 deg - Drill f/ 990' - 1002'. (12' @ 48 fph). Diff: 350, WOB: 20-25k, Rot: 60, SPP: 1500 psi. - Lost #1 mud pump. Drilling ahead w/ #2 at 540 gpm. - Drill f/ 1002' - 1288'. (286' @ 127 fph). Diff: 350, WOB: 20-25k, Rot: 60, SPP: 1500 psi. - Survey @ 942': 0.5 deg. - Drill f/ 1288 - 1540'. (252' @ 56 fph). Diff: 100-200, WOB: 5-10k, Rot: 60, SPP: 1100 psi.
Daily Cost: $0
Cumulative Cost: $356,860

FEDERAL 9-12-9-18 **Drilling 12 1/4" hole @ 3250'**
Date: 9/20/2008
DHS #12 at 3250. 2 Days Since Spud - Drill f/ 3209' - 3250'. (41' @ 20 fph). Diff: 100-120, WOB: 6-8k, Rot: 110, SPP: 1725 psi. - Survey @ 3131': 7 deg - Reduced WOB and increased RPM in effort to drop angle - Drill f/ 3147' - 3209'. (62' @ 12 fph). Diff: 100-150, WOB: 6-8k, Rot: 110, SPP: 1800 psi. - Survey @ 3069': 7deg . Searching for 14 deg totco clock - have one being sent from Rock Springs. - Drill f/ 2391' - 2549'. (158' @ 52 fph). Diff: 250-300, WOB: 22-26k, Rot: 40, SPP: 1750 psi. - Drill f/ 3053'- 3083', re-survey @ 3005': 7 deg - Survey @ 2975': 7 deg (tool max out at 7deg) - Drill f/ 2549' - 3053'. (502' @ 67 fph). Diff: 250-300, WOB: 24-28k, Rot: 45, SPP: 1800 psi. - Survey @ 2471': 2.5 deg. Service Rig. - Drill f/ 3083' - 3147'. (64' @ 32 fph). Diff: 150-200, WOB: 15-17k, Rot: 80, SPP: 1800 psi.
Daily Cost: $0
Cumulative Cost: $381,322

FEDERAL 9-12-9-18 **TIH w/ DP to set cement plug**
Date: 9/21/2008
DHS #12 at 3274. 3 Days Since Spud - Trip in w/ open ended drill pipe. Picking up additional joints to reach TD. - Pick up 8" directional tools, make up and scribe motor. Stand back in derrick - Cont tripping out of hole, lay down 8" DC, IBS, mud motor, and bit. - 2498': 7.5 deg, 2403': 6.0 deg, 2308': 4.5 deg, 2212': 4.0 deg. - Drill f/ 3250' - 3274. (24' @ 12 fph). Diff: 100-120, WOB: 6-8k, Rot: 110, SPP: 1725 psi. - Survey @ 3196': 12.25 deg. Trip out of hole taking Totco surveys every stand up to 2212'. Surveys - Circ and cond while waiting on 14 deg Totco tool. - Survey @ 3196': 7 + deg. Reading beyond tools limit. - follows: 3069': 13 deg, 2973': 13 deg, 2882': 13 deg, 2786': 13 deg, 2690': 10 deg, 2594': 10 deg,
Daily Cost: $0
Cumulative Cost: $406,789

FEDERAL 9-12-9-18 **Waiting on Cement**
Date: 9/22/2008
DHS #12 at 2198. 4 Days Since Spud - Wait on Cement. Rig up gas buster lines, and flare line. - Wait on Cement. Trip out of hole laying down 60 joint excess drill pipe. - Displace w/ wate to balance plug. Pull 8 stands to 1930' and circ out trace of cement. - Set cement plug

#2 f/ 2698 - 2198'. Mix and pump 527 sx (93 bbls) 'G'+ .4%CD-32 mixed @ 17 ppg - Displace water to balance plug. Pull 6 stands to 2698' and circ out 27 bbl excess cement - Set cement plug #1 f/ 3474' - 2698'. Mix and pump 527 sx (93 bbls) 'G'+ .4%CD-32 mixed @ 17 ppg - Circ and condition while rigging up BJ Cementers. Held PJSM w/ BJ and rig crew - Cont. tripping in hole picking up joints of drill pipe to reach TD.
Daily Cost: $0
Cumulative Cost: $467,502

FEDERAL 9-12-9-18 **Drilling 12 1/4" Sidetrack @2405'**
Date: 9/23/2008
DHS #12 at 2405. 5 Days Since Spud - Drill / Slide from 2366' 2405'. - Continue sliding f/ 2330' - 2366'. Increase WOB f/ 1k to 6k. Samples @ 75% formation. - Wait on Cement - Shim Derrick to re-center over hole - Tag TOC @ 2131'. Drill hard cement to 2319'. MWD survey @ 3.9 deg. Trough well to low side. - Trip in hole. Change out H.O. Sub and MWD probe, Continue tripping in hole surveying w/ MWD. - Orient and time drill @ 1 ft/ hr f/2319' - 2324, increase to 2 ft/hr f/ 2324' - 2330.
Daily Cost: $0
Cumulative Cost: $530,897

FEDERAL 9-12-9-18 **Drilling 12 1/4" @ 3550'**
Date: 9/24/2008
DHS #12 at 3550. 6 Days Since Spud - Drill f/ 2405' - 3274' (869' @ 54'/hr) WOB: 12-18k, Rot: 50-65, Diff: 200-350 psi, SPP: 1200-1600 - Drill f/ 3274' - 3550' (869' @ 34'/hr) WOB: 18k, Rot: 50, Diff: 150 psi, SPP: 1700
Daily Cost: $0
Cumulative Cost: $574,991

FEDERAL 9-12-9-18 **Drilling 12 1/4" @ 3,850 ft.**
Date: 9/25/2008
DHS #12 at 3850. 7 Days Since Spud - Rotary motor drill 12-1/4" hole 3,736 to 3,850 ft. 114 ft at 20.7 fph. - Rig service. - Drilled f/ 3550' - 3553'. ROP slowed to 5 ft/hr. Adjusted WOB and RPM - no change. - TOH, lay down directional tools and bit. PU 8" straight motor, F40 insert bit.TIH. - Build and pump slug, set kelly back. - Rotary motor drill 12-1/4" hole 3,553 to 3,736 ft. 183 ft at 61.0 fph.
Daily Cost: $0
Cumulative Cost: $654,281

FEDERAL 9-12-9-18 **Running casing**
Date: 9/26/2008
DHS #12 at 4050. 8 Days Since Spud - Run 8-5/8" casing. Currently at 1,435 ft. - collars and 3rd pin. Fill and circulate through casing. - Make up float shoe, shoe joint, float collar, and 3 joints. Thread lock FS,FC, both ends first 2 - Rotary motor drill 12-1/4" hole 3,850 to 4,050 ft. 200 ft at 23.5 fph. - Pull wear bushing. - Pump pill. Drop Totco survey. Pull out of Hole. Lay down mud motor and 2 8" DC's. No problems. - Pump high-vis sweep. Circulate hole clean. - Held pre-job and safety meeting. Rig up pick-up machine and Kimzey casing crew.
Daily Cost: $0
Cumulative Cost: $702,314

FEDERAL 9-12-9-18 **Pressure Testing - BOPE**
Date: 9/27/2008
DHS #12 at 4050. 9 Days Since Spud - Rig up B&C quick testers. Test upper & lower kelly

valves, Dart valve, and safety valve. - Lay down landing joint and running tool. Install packoff assembly, energize. Test to 2,000 psi, ok. - Performed 30 sk top job. 15.8 ppg + 2% CaCl2. 10 sks to pit. Cement 6" below mandrel hanger. - Wait on cement. - Ran 89 joints 8-5/8" surface casing. 32.0 lb/ft, J-55, ST&C. Tagged bottom at 4,049 ft. 1 ft fill - 222 sks tail slurry at 14.2 ppg. Displaced with 243.5 bbls fresh water. Bumped plug 500 psig over - Test cement line to 3,800 psig. Pump 20 bbls mud clean. 819 sks lead slurry at 12.0 ppg + additives - Circulate and condition hole. RD casing crew. Held pre-job & safety meeting. Rig up BJ cementers. - Float shoe at 4,037 ft. Float collar at 3,988 ft. - at 1,500 psig. Floats held. Recicprocated casing up to dropping plug. 74 sks good cement to pit.
Daily Cost: $0
Cumulative Cost: $772,147

FEDERAL 9-12-9-18 **Drill Cement Plugs**
Date: 9/28/2008
DHS #12 at 4050. 10 Days Since Spud - Drill soft cement, wiper plug and float collar. - Test upper pipe rams. HCR valve, choke and kill line valves, choke manifold valves, chokes, blind - Test MWD probe, okay. - RIH to 621 ft. - Rig service. - Change out MWD probe. - Pull out of hole. - Test MWD probe. Probe not working. - RIH to 621 ft. - PU mud motor & bit. Pu monell & hang off sub. Install MWD probe. Set bent housing to 1.15 degrees. - Install wear bushing. - Test casing to 1,500 psi for 30 min, okay. Rig down B & C Quick Tester. - Work stand drill collars and 12-1/8" IBS through annular. Pull test plug. - Test lower pipe rams to 250 psi for 5 min and 10,000 psi for 10 min, okay. - Attempt to pull test plug. Could not get annular to open fully. - 5,000 psi for 10 min, okay. - rams to 250 psi for 5 min and 10,000 psi for 10 min, okay. Test annular to 250 psi for 5 min and - RIH to 3,976 ft. Drill string took weight.
Daily Cost: $0
Cumulative Cost: $801,966

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with fresh water**
Date: 9/29/2008
DHS #12 at 5068. 11 Days Since Spud - Note: Connections and survey's are not backed out. - Rotary motor drill 7-7/8" hole 4,817 to 5,068 ft. 251 ft at 62.8 fph. - Rig service. - Rotary motor drill 7-7/8" hole 4,441 to 4,817 ft. 376 ft at 50.1 fph. - Rotary motor drill 7-7/8" hole 4,252 to 4,441 ft. 189 ft at 47.3 fph. - Rig service. - Circulate and condition hole at 4,001 ft. - Perform FIT to 12.1 ppg EMW. 750 psig with 8.5 ppg fluid for 3 min. - Circulate and condition hole. Spot high-vis pill at bottom of hole. - Rotary motor 7-7/8" hole from 4,050 to 4,063 ft. 13 ft at 26.0 fph. - Drill shoe track and float shoe at 4,037 ft. Clean out rat hole to 4,050 ft. - Test 8-5/8" casing below float collar to 1,500 psig for 5 min., okay. - Rotary motor drill 7-7/8" hole 4,063 to 4,252 ft. 189 ft at 54.0 fph.
Daily Cost: $0
Cumulative Cost: $831,446

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with fresh water**
Date: 9/30/2008
DHS #12 at 6262. 12 Days Since Spud - NOTE: Connection and survey time not backed out. - Rotary motor drill 7-7/8" hole 6,011 to 6,262 ft. 251 ft at 50.2 fph. - Rig service. - Rotary motor drill 7-7/8" hole 5,068 to 5,476 ft. 408 ft at 54.4 fph. - Rotary motor drill 7-7/8" hole 5,476 to 5,665 ft. 189 ft at 47.3 fph. - Rig service. Function test upper & lower pipe rams. - Rotary motor drill 7-7/8" hole 5,665 to 6,011 ft. 346 ft at 53.2 fph.
Daily Cost: $0
Cumulative Cost: $898,673

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with fresh water**

Date: 10/1/2008
DHS #12 at 7456. 13 Days Since Spud - Rotary motor drill 7-7/8" hole 6,262 to 6,670 ft. 408 ft at 51.0 fph. - Rotary motor drill 7-7/8" hole 7,144 to 7,176 ft. 32 ft at 64.0 fph. - Rig service. Function HCR valve. - Rotary motor drill 7-7/8" hole 6,670 to 6,860 ft. 190 ft at 54.3 fph. - Rotary motor drill 7-7/8" hole 6,860 to 7,144 ft. 284 ft at 56.8 fph. - Rig repair. Replace break out cable on tongs. - Rotary motor drill 7-7/8" hole 7,176 to 7,456 ft. 280 ft at 50.9 fph. - Rig service. Function test pipe rams.
Daily Cost: $0
Cumulative Cost: $1,078,127

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with mud**
Date: 10/2/2008
DHS #12 at 8578. 14 Days Since Spud - Rotary motor drill 7-7/8" hole 8,115 to 8,578 ft. 463 ft at 46.3 fph. MW 8.9. Vis = 34. - Rotary motor drill 7-7/8" hole 8,000 to 8,115 ft. 115 ft at 57.5 fph. Start mud up at 8,100 ft. - Rotary motor drill 7-7/8" hole 7,830 to 8,000 ft. 170 ft at 48.6 fph. - Rig service. - Rotary motor drill 7-7/8" hole 7,456 to 7,830 ft. 374 ft at 46.8 fph. - Note: Connection and survey times are not backed out.
Daily Cost: $0
Cumulative Cost: $1,121,150

FEDERAL 9-12-9-18 **LD mud motor.**
Date: 10/3/2008
DHS #12 at 8771. 15 Days Since Spud - Rig service. - Replace shaker screens and raise front end. - Rotary motor drill 7-7/8" hole 8,641 to 8,771 ft. 130 ft at 28.9 fph. Penetration rate slowed. - Circulate bottoms up. - Pump pill and drop Totco survey. - Rotary motor drill 7-7/8" hole 8,578 to 8,641 ft. 63 ft at 21.0 fph. - Lay down 7 joints drill pipe from V-door. - Pull out of hole. Lay down additional 50 joints drill pipe needing hard banding. - POOH with BHA. Recover Totco survey. 3-1/2 degrees at 8,684 ft. Break off bit. - Currently LD mud motor. - NOTE: Used trip tank. Hole took correct fluid. - Pull out of hole to casing shoe. No problems. Lay down 8 joints drill pipe with no hard band.
Daily Cost: $0
Cumulative Cost: $1,159,221

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with mud**
Date: 10/4/2008
DHS #12 at 9110. 16 Days Since Spud - Run in hole to 8,711 ft. Fill drill string & break circulation at 7,200 & 8,711 ft. - Wash & ream 8,711 to 8,771 ft. No fill. Break in bit. - Rotary motor drill 7-7/8" hole 8,771 to 9,110 ft. 339 ft at 32.3 fph. - NOTE: Connection time not backed out. Bit on bottom = 9.2 hrs. = 36.8 fph. - 2.00 degrees at 4,113 ft. - LD mud motor. Pick up new mud motor and set bent housing to 1.15 degrees. MU bit. - RIH 4 stds D.C.'s. Pick up drilling jars. RIH 1 std D.C.'s. - PU 57 jts drill pipe with new hard band. - Cut and slip 110 ft. drilling line. - Run in hole to 4,200 ft. Fill drill string. Circulate. Take check shot with Extreme MWD probe.
Daily Cost: $0
Cumulative Cost: $1,205,179

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with mud**
Date: 10/5/2008
DHS #12 at 9805. 17 Days Since Spud - Rotary motor drill 7-7/8" hole 9,473 to 9,805 ft. 332 ft at 34.9 fph. - Rig service. Function test pipe rams. - Change out rotating head rubber and drive bushing. - Rotary motor drill 7-7/8" hole 9,442 to 9,473 ft. 31 ft at 31.0 fph. - Rig service. Level derrick. - Rotary motor drill 7-7/8" hole 9,348 to 9,442 ft. 94 ft at 31.3 fph. -

Install rotating head rubber. - Rotary motor drill 7-7/8" hole 9,316 to 9,348 ft. 32 ft at 32.0 fph. - Rotary motor drill 7-7/8" hole 9,110 to 9,316 ft. 206 ft at 31.7 fph.
Daily Cost: $0
Cumulative Cost: $1,238,529

FEDERAL 9-12-9-18 **TIH**
Date: 10/6/2008
DHS #12 at 10069. 18 Days Since Spud - Run in hole. Currently at 1,800 ft. - Pick up straight mud motor. Make up bit. - Break off bit. LD monel DC & mud motor. Totco survey at 9,982 ft = 3.0 degrees. - Pull out of hole, no problems. Hole took proper fill. - Circulate bottoms up for sample. - Rotary motor drill 7-7/8" hole 9,973 to 10,069 ft. 96 ft at 19.2 fph. Bit slowed. - Rig service. Dump & clean sand trap. Function test pipe rams. Flow check, okay. - Rotary motor drill 7-7/8" hole 9,805 to 9,973 ft. 168 ft at 24.0 fph. - Pump pill. Drop Totco survey. Check for flow. No flow.
Daily Cost: $0
Cumulative Cost: $1,272,086

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with mud**
Date: 10/7/2008
DHS #12 at 10605. 19 Days Since Spud - Fill and break circulation. Precautionary wash & ream 9,970 to 10,0069 ft. No fill. - Break in bit. - NOTE: Grouted cellar with 2 cu.yds. 6-1/2 sack mix. 4,000 psi compressive strength. - Rotary motor drill 7-7/8" hole 10,591 to 10,605 ft. - Rig service. - Rotary motor drill 7-7/8" hole 10,253 to 10,591 ft. 338 ft at 32.2 fph. - Rotary motor drill 7-7/8" hole 10,069 to 10,253 ft. 184 ft at 30.7 fph. - RIH to 9,970 ft. No problems. Fill and break circulation at 4,000 & 7,200 ft.
Daily Cost: $0
Cumulative Cost: $1,323,151

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with mud**
Date: 10/8/2008
DHS #12 at 11245. 20 Days Since Spud - Rotary motor drill 7-7/8" hole 11,032 to 11,245 ft. 213 ft at 18.5 fph. - Switch mud pumps. Had problems with pump No. 1 throttle control. - Rotary motor drill 7-7/8" hole 10,605 to 11,032 ft. 427 ft at 35.6 fph.
Daily Cost: $0
Cumulative Cost: $1,367,062

FEDERAL 9-12-9-18 **TIH**
Date: 10/9/2008
DHS #12 at 11350. 21 Days Since Spud - Run in hole with drill pipe to 1,610 ft. - Replace spinning chain for drill pipe. - Pick up and run in hole 6 singles with new hard band. - Install rotating head rubber. - RIH with BHA. - Function test BOP"s. Make up bit and bit sub. - Rotary motor drill 7-7/8" hole 11,245 to 11,350 ft. 105 ft at 14.0 fph. Bit slowed. - Pull out of hole. No problems. Hole took proper fill. - Rig repair. Replace cable for breakout tongs. - Pull out of hole. No problems. - Pump pill. Drop Totco survey. - Circulate bottoms up. Mud loggers caught sample. - Break off bit. Lay down mud motor. Recover Totco survey. 1.10 degrees at 11,300 ft.
Daily Cost: $0
Cumulative Cost: $1,406,999

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with mud**
Date: 10/10/2008

DHS #12 at 11505. 22 Days Since Spud - NOTE: Flare currently 6-8 ft. - Rotary drill 7-7/8" hole 1,366 to 11,505 ft. 139 ft at 18.5 fph. - Rig service. - Rotary drill 7-7/8" hole 11,350 to 11,366 ft. 16 ft at 16.0 fph. - Break in bit. - Wash and ream 11,271 to 11,350 ft. 2-3 ft soft fill. - Run in hole to 3,978 ft. - Circulate gas out of hole. Condition mud. - Run in hole to 9,567 ft. No problems. - Circulate gas out of hole. Condition mud. - Run in hole to 6,032 ft. No problems. - Cut and slip 70 ft drilling line. - Circulate gas out of hole. Condition mud. - Run in hole to 11,271 ft. No problems.
Daily Cost: $0
Cumulative Cost: $1,463,070

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with mud**
Date: 10/11/2008
DHS #12 at 11852. 23 Days Since Spud - NOTE: Flare = 1-3 to 6-8 ft. On bottom bit hrs = 28.6 for 17.5 fph. - Rotary drill 7-7/8" hole 11,692 to 11,852 ft. 160 ft at 13.3 fph. - Rotary drill 7-7/8" hole 11,623 to 11,692 ft. 69 ft at 15.3 fph. - Rotary drill 7-7/8" hole 11,505 to 11,523 ft. 18 ft at 18.0 fph. - Rotary drill 7-7/8" hole 11,523 to 11,623 ft. 100 ft at 18.2 fph. - Change mud pumps and get slow pump rates. - Rig service.
Daily Cost: $0
Cumulative Cost: $1,495,769

FEDERAL 9-12-9-18 **Circulate & Condition Hole**
Date: 10/12/2008
DHS #12 at 11880. 24 Days Since Spud - Fill drill string and break circulation. Check for flow. Well flowing. Circulate out gas. - Rotary drill 7-7/8" hole 11,852 to 11,873 ft. 21 ft at 6.0 fph. - Fill drill string and break circulation. Check for flow. No flow. - Run in hole to 4,069 ft. - Install rotating head rubber. - Run in hole with BHA. - Make up new bit. - Break off bit. Recover Totco survey. Mis-run at 11,855 ft. - Pull out of hole. Hole fill short 10.5 bbls. - Rig repair. Replace sprocket on compound oiler pump. - Pull out of hole to 3,226 ft. Tight spot at 11,330 ft. 40K over. - Pump pill. Drop totco survey. - Circulate and condition hole. Raise mud weight to 10.8 ppg in and 10.7 ppg out. - Rotary drill 7-7/8" hole 11,873 to 11,880 ft. 7 ft at 7.0 fph. Bit slowed. - Rig service. - Run in hole to 6,275 ft. No problems.
Daily Cost: $0
Cumulative Cost: $1,534,044

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with mud**
Date: 10/13/2008
DHS #12 at 12128. 25 Days Since Spud - Rotary drill 7-7/8" hole 11,988 to 12,128 ft. 140 ft at 14.7 fph. - Work bit through fractures. - Rotary drill 7-7/8" hole 11,960 to 11,988 ft. 28 ft at 18.7 fph. - Rotary drill 7-7/8" hole 11,880 to 11,960 ft. 80 ft at 22.8 fph. - Circulate out gas and condition mud at 6,275 ft. - Calibrate hook load and torque gauge. - Precautionary wash & ream 116 ft to bottom. No fill. - Run in hole to 11,764 ft. No problems. - Run in hole to 9,425 ft. Circulate out gas and condition mud. - Break in bit.
Daily Cost: $0
Cumulative Cost: $1,558,896

FEDERAL 9-12-9-18 **TOOH**
Date: 10/14/2008
DHS #12 at 12254. 26 Days Since Spud - Rotary drill 7-7/8" hole 12,128 to 12,223 ft. 95 ft at 10.0 fph. - Rig repair. Replace compound oiler pump. - Pull out of hole for bit. Tight at 11,270 ft (20 over) & 10,240 ft (30 over). - Pump pill. Drop totco survey. Pull rotating head rubber. - Rig service. - Rotary drill 7-7/8" hole 12,243 to 12,254 ft. 11 ft at 3.7 fph. Bit slowed. - Change mud pumps. - Rotary drill 7-7/8" hole 12,223 to 12,243 ft. 20 ft at 8.0 fph. - Circulate

sample up. Bring mud weight up to 11.0 ppg.
Daily Cost: $0
Cumulative Cost: $1,588,987

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with mud**
Date: 10/15/2008
DHS #12 at 12318. 27 Days Since Spud - Rotary drill 7-7/8" hole 12,254 to 12,318 ft. 64 ft at 10.7 fph. - Break in bit. - Precautionary wash and ream 12,180 to 12,254 ft. Wash bottom clean. - Run in hole to 12,180 ft. No problems. - Fill drill string and break circulation. Check for flow. No flow. - Run in hole to 10,636 ft. No problems. - Rig repair. Repair compound oiler pump. - Run in hole to 7,525 ft. No problems. - Cut and slip 100 ft drilling line. - Fill drill string and circulate gas out of hole. Check for flow. No flow. - Run in hole to 4,00 ft. - Change bit. Recover Totco survey. 2.25 degrees at 12,206 ft. - Pull out of hole. No problems. Hole took 6 bbls over calculated fill. - Fill drill string and break circulation. Check for flow. No flow.
Daily Cost: $0
Cumulative Cost: $1,632,480

FEDERAL 9-12-9-18 **Drill 7 7/8" hole**
Date: 10/16/2008
DHS #12 at 12572. 28 Days Since Spud - Rotary drill 7-7/8" hole 12,449 to 12,572'. 123' at 10.3 fph. - Rotary drill 7-7/8" hole 12,440 to 12,449 ft. 9 ft at 9.0 fph. - Rotary drill 7-7/8" hole 12,318 to 12,412 ft. 94 ft at 11.75 fph. - Rotary drill 7-7/8" hole 12,412 to 12,440 ft. 28 ft at 14.0 fph. - Rig service. - Switch mud pumps.
Daily Cost: $0
Cumulative Cost: $1,659,300

FEDERAL 9-12-9-18 **Drill 7 7/8" hole**
Date: 10/17/2008
DHS #12 at 12660. 29 Days Since Spud - Drill f/ 12601' - 12660'. 59' @ 17 fph. - Circ out heavy gas cut mud thru gas buster. 20-30 ft. flare - Make up new bit, trip in hole. Install rotating head. (Mis-Run on Totoc) - Pull Rotating head and trip out of hole for new bit. Lost #1 drawwork engine, TOH w/ one engine. - Circ, Pump 100 bbls / 13 ppg slug, drop Totco and wait 25 minutes. - Drill f/ 12,572' - 12,601'. 29' @ 11.6 fph.
Daily Cost: $0
Cumulative Cost: $1,702,707

FEDERAL 9-12-9-18 **Tripping in hole w/ bit #11**
Date: 10/18/2008
DHS #12 at 12861. 30 Days Since Spud - Cont. tripping in hole. - Slip and cut 85' drilling line. - Trip in hole to 3917' - Function blind rams, change out bit, recover totoc survey - 0 deg. - Drill f/ 12660' - 12785'. 125' @ 19.2 fph - Circ, pump 100 bbl 13.1 ppg slug, drop totoc. - Drill f/ 12785' - 12861'. 76' @ 13.8 fph. ROP slowed to 6 fph. Building slug for TOH. - Service Rig - Trip out of hole for bit #11. 20 - 25k drag first 5 stands.
Daily Cost: $0
Cumulative Cost: $1,729,553

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with mud**
Date: 10/19/2008

DHS #12 at 13085. 31 Days Since Spud - WOB: 30k, Rotary: 120 rpm. Seeing 5-10k drag reaming on connections. - Cont. tripping in hole. - Circ out gas cut mud, wash & ream 45' to bottom. - Rotary drill f/ 12862' to 13085'. 223' @ 12 fph. Adjusting drilling parameters to

maximize ROP.
Daily Cost: $0
Cumulative Cost: $1,775,534

FEDERAL 9-12-9-18 **Tripping in hole w/ bit #12**
Date: 10/20/2008
DHS #12 at 13147. 32 Days Since Spud - Note: Top of Spring Canyon formation @ 13127'. - Fill pipe and test survey tool @ 3021' - Survey tool not sending signal. Cont TIH. 6653' @ 6am. - TIH w/ bit, motor and survey tool. Monel DC did not arrive in time to run. - loaction @ 0030 hrs. Well started flowing. Gained 9 bbls in 4 hours. Make up Survey tool. - Make up bit # 12 and 1.5 deg bent motor. Wait on Extreme Engr. Survey tool. Tech arrived on - Drill f/ 13085' - 13129'. (44ft @ 8' hr). - Trip out of hole w/ bit # 11. Hole taking proper fill. Break off bit and recover totco. Survey - Circ, build 100 bbl 13 ppg slug. Slug pipe and drop totco survey. - Rotary drill f/ 13129' - 13147'. (18' @ 7.2'/hr). ROP slowed to 5'/hr. Prepare to trip for bit. - Service rig. - shows to be greater than 7 deg.
Daily Cost: $0
Cumulative Cost: $1,817,941

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with mud**
Date: 10/21/2008
DHS #12 at 13515. 33 Days Since Spud - Note: Top of Mancos @ 13199' - Rotary drill f/ 13147' to 13515'. (368' @ 29 fph. Bit Hrs Only). Motor Diff: 100-200 Psi - Trip in hole to 12000'. - Fill pipe, circ out gas cut mud. - Survey @ 11960', 12249', 12727', & 13096' While running in hole. Cont. wash & ream to TD.
Daily Cost: $0
Cumulative Cost: $1,848,501

FEDERAL 9-12-9-18 **Trip in hole w/ bit #13**
Date: 10/22/2008
DHS #12 at 13811. 34 Days Since Spud - Rotary / Motor Drill f/ 13515, - 13811'. (296' @ 30.8 fph). ROP slowed to 15 fph, unable to get - Trip in hole - more than 150 psi diff. pressure. - TOH w/ bit #12 and 1.5 deg. mud motor. Hole taking proper fill - Circ hole while building 100 bbl 13.1 ppg slug - Lay down bit #12 and 1.5 deg bent motor. PU Bit # 13 and straight Hunting motor
Daily Cost: $0
Cumulative Cost: $1,911,056

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with mud**
Date: 10/23/2008
DHS #12 at 14133. 35 Days Since Spud - Note: Top of Mancos B @ 13560' - Drill f/ 13918' - 14133'. (215' @ 69 fph) Diff: 350 psi. - Rig service - Drill f/ 13811' - 13918'. (107' @ 21 fph) Motor Diff: 200-300 psi. - Trip in hole to 4000'. - Rig Repair, fix high drum clutch. - TIH to 7500'. - Cut and slip 95' drilling line - Cont. TIH, Wash / ream 45' to bottom.
Daily Cost: $0
Cumulative Cost: $1,940,463

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with mud**
Date: 10/24/2008

DHS #12 at 14915. 36 Days Since Spud - Rotary / Motor drill f/ 14727' - 14915' (188' @ 41 fph) WOB:16-18k, Diff: 200-300 psi - Service Rig - Rotary / Motor drill f/ 14133' - 14382'. (249' @ 52 fph) WOB: 16-18k, Diff: 200-300 psi - Service Rig - Rotary / Motor drill f/ 14382'

- 14727' (345' @ 65 fph) WOB:16-18k, Diff: 200-300 psi
Daily Cost: $0
Cumulative Cost: $1,996,394

FEDERAL 9-12-9-18 **Circulate & Condition Hole**
Date: 10/25/2008
DHS #12 at 15433. 37 Days Since Spud - Circ and cond hole at TD. MW In: 11.4, MW Out: 11.4 ppg. - Rotary / Motor drill f/ 14915' - 15167'. (252' @ 44 fph). WOB: 22-26k, Diff: 200-300 psi - Rig Service - Rotary / Motor drill f/ 15167' - 15433'. (266' @ 31 fph). WOB 22-30k, Diff: 200-300.
Daily Cost: $0
Cumulative Cost: $2,030,551

FEDERAL 9-12-9-18 **Tripping out of hole for logs**
Date: 10/26/2008
DHS #12 at 15433. 38 Days Since Spud - Continue tripping out of hole. - Circ 30 minutes. Spot 100 bbl 14.4 ppg heavy pill in open hole above Mesa Verde formation. - TOH to 9900'. Install rotating head rubber. - Circ hole 30 minutes. Spot 100 bbl 14.4 ppg heavy pill in open hole above Mancos Castlegate fm. - Circ and condition, pump 50 bbl 13.4 ppg slug. Pull rotating head rubber. - Circ out gas cut mud and condition hole. MW In / Out: 11.4 / 11.4. Mix 250 bbls 14.4 ppg mud. - Install rotating head rubber, Trip in hole. - Observe well - check for flow. Well static. - Wiper trip f/ TD to 13000'. Max over pull: 35-40k 1st 5 stands. No drag @ 13000' - TOH to 12100'. Install rotating head rubber.
Daily Cost: $0
Cumulative Cost: $2,069,221

FEDERAL 9-12-9-18 **Logging well @ TD**
Date: 10/27/2008
DHS #12 at 15433. 39 Days Since Spud - Trip Tank Volume has increased 10.8 bbls past 20 hrs. Well is currently static. - Pull XRMI/ Wave Sonic tool out of hole. Lay down tool. - Logging run #2 - XRMI / Wave Sonic. Run in hole to 11,000' - tool malfuctioned. (No hole problems) - Finish tripping out of hole. - Rig up HLS - Modify cable head for increased pull. - Lay down bit, mud motor, and hang off sub. Clean floor. - Logging run #1 - Triple combo. Encountered small bridges running in hole. Tag TD @ 15353'.
Daily Cost: $0
Cumulative Cost: $2,098,888

FEDERAL 9-12-9-18 **Logging well @ TD**
Date: 10/28/2008
DHS #12 at 15433. 40 Days Since Spud - 13.7 bbls past 4 hrs. - Logging Run #2 RR - Log XMRI / Wave Sonic. - Logging Run #3 - MRIL. Loggers TD: 15350'. Currently logging @ 13900'. +24 hrs left to log. - Note: Total Mud gained last 44 hrs: 33.1 bbls. Started loosing mud at 2am. Hole has taken
Daily Cost: $0
Cumulative Cost: $2,128,555

FEDERAL 9-12-9-18 **Logging well @ TD**
Date: 10/29/2008
DHS #12 at 15433. 41 Days Since Spud - Cont. w/ logging run #3 - MRIL Log.
Daily Cost: $0
Cumulative Cost: $2,172,356

FEDERAL 9-12-9-18 **Circulate & Condition Hole**
Date: 10/30/2008
DHS #12 at 15433. 42 Days Since Spud - Note: Received approval from Cade Taylor - BLM to continue operations Without retesting BOPs. - Wash / ream hole from 15213' to 15433' - Work pipe and jar 8 joints out of hole. String free @ 15213'. - high torque. Attempt to pull up, pulling 70k over string wt. Work pipe while circulating. - Kelly up and circ out gas / gas cut mud. Attempt to wash / ream to 45' to TD - Unable to rotate due - Finished w/ logging run #3 - pull tool out of hole. Well started flowing and blowing mud thru - Kelly up and circ out gas / gas cut mud. - Trip in hole to 10,000'. - Kelly up, circ out gas cut mud. - Make up bit, open blind rams, trip in hole to 5000'. - kelly bushing. Close blind rams to allow HLS to break and lay down tool. Rig down HLS. - Trip in hole tag up @15388'. Seeing 20-35k Lbs drag last 6 stands.
Daily Cost: $0
Cumulative Cost: $2,203,484

FEDERAL 9-12-9-18 **Lay Down Drill Pipe/BHA**
Date: 10/31/2008
DHS #12 at 15433. 43 Days Since Spud - Continue laying down drill pipe to 4500' - Circ hole 30 minutes. Spot 100 bbls 14.4 ppg pill @ 9817' - Cont. Laying down drill pipe to 9817'. - Circ and condition mud / hole. Prepare 225 bbls 14.4 ppg mud. RU Laydown machine. - L/D 103 joints DP - Bit depth @ 12117'. - PJSM w/ Laydown Crew. - Circ hole 30 minutes. Spot 100 bbls 14.4 ppg pill.
Daily Cost: $0
Cumulative Cost: $2,448,891

FEDERAL 9-12-9-18 **Running casing**
Date: 11/1/2008
DHS #12 at 15433. 44 Days Since Spud - 40 joints. - Fill casing @ 8325'. Pick up Varco elevators. Cont. running casing. - Rig up casing running equipment. Held PJSM w/ Caliber Casing and rig crew. - Drain BOP stack and pull wear bushing. - casing - change out Varco elevator to YC elevators. Continue running casing filling every - to get fill-up tool to stab properly into casing - rig down fill-up tool. Ran 5 joints - Make up shoe track - Guide shoe, 1 joint 4 1/2" HCP-110 LTC csg, Float collar. Unable - Finish laying down drill pipe, drill collars, and HE Jar. Break bit and bit sub.
Daily Cost: $0
Cumulative Cost: $2,476,645

FEDERAL 9-12-9-18 **Set casing slips**
Date: 11/2/2008
DHS #12 at 15433. 45 Days Since Spud - Circ and condition hole / mud. Rig down casing crew and rig up BJ cementers. - Per casing tally, hole is 67' deeper than drill string tally. - Tagged Bottom @ 15500', lay down tag joint - Shoe @ 15492'. - Continue running 4 1/2" 15.1 ppf, HCP-110, LTC production casing. Total joints run: 377 - PJSM w/ BJ and rig crew. - @ 8.4 ppg + 12 bbls (20 sx) Premium lite II scavenger slurry mixed @ 11.0 ppg + 383 bls Premium - lite lead slurry (815 sx) mixed @ 11.7 ppg, + 337 bbls (1100 sx) 50:50 'G' / Poz + 35% Silica - mixed @ 14.2 ppg. Displace w/ 219 bbls 4% KCl water. Bumped plug w/ 3675 psi, very slight flowback - Pressure up to 3675 psi. Shut well in @ wellhead. Full returns during job. No cement to surface - Rig down BJ, Dump and clean mud pits, while Waiting on Cement. - Note: Surface cement sample not setting up - Slack off weight, will not support casing weight - after 7 hrs. - Pressure test lines to 6085 psi - ok. Pump Cement job as follows: 20 bbls Mud clean 1 spacer mixed

Daily Cost: $0
Cumulative Cost: $2,600,975

FEDERAL 9-12-9-18 **Rig Released - Final Report**
Date: 11/3/2008
DHS #12 at 15433. 46 Days Since Spud - Set casing slip w/ 205,000 lbs. Bleed pressure off casing- Float Collar holding. - Rig up to lift BOP, Lift and rough cut casing 8" above flange. Set down BOP, lay out casing cutoff. - Operations Complete, Release rig @ 12:00 hrs 11/2/2008. Rigging down for move to - Federal 13-24-9-18. - Pull rotating head w/ air tuggers, clear rig floor. **Finalized**
Daily Cost: $0
Cumulative Cost: $3,094,479

Pertinent Files: Go to File List

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Daily Activity Report

Format For Sundry

FEDERAL 9-12-9-18

9/1/2008 To 1/30/2009

43 047 36468
9S 18E 12

FEDERAL 9-12-9-18 **Rigging down on Fed.15-24-9-18**

Date: 9/8/2008

DHS #12 at . Days Since Spud - Rig down floor, kelly, standpipe, and subs. Rig down gas buster lines. - Shut down operations until 6:am. Will resume @ 6am w/ 2 crews working dayline hours.

Daily Cost: $0

Cumulative Cost: $14,608

FEDERAL 9-12-9-18 **Rigging down on Fed.15-24-9-18**

Date: 9/9/2008

DHS #12 at . 0 Days Since Spud - Continue rigging down DHS # 12 and prepare for rig move. Moved camp and set up.

Daily Cost: $0

Cumulative Cost: $34,156

FEDERAL 9-12-9-18 **Rigging down on Fed.15-24-9-18**

Date: 9/10/2008

DHS #12 at . 0 Days Since Spud - Load out and move rig components. 80% of rig moved to Fed.9-12-9-18 location. Items remaining - - substructure and matting. Shut down operations until daylight.

Daily Cost: $0

Cumulative Cost: $53,704

FEDERAL 9-12-9-18 **Rigging up on Fed. 9-12-9-18**

Date: 9/11/2008

DHS #12 at . 0 Days Since Spud - 95% of rig components on location. - re-welding and derrick inspection. - Moved matting and sub to new location and set in place. Set BOP in substructure. Set doghouse, - Unload derrick and set on pipe racks. Note: Derrick cross members supporting crown - tool house, engine / drawworks skid. Set mud tanks and mud pump #1. - have been damaged. DHS management will visually inspect and determine if this will require

Daily Cost: $0

Cumulative Cost: $118,333

FEDERAL 9-12-9-18 **Rigging up on Fed.9-12-9-18**

Date: 9/12/2008

DHS #12 at . 0 Days Since Spud - Estimated spud date: Monday Sept 15. - location Friday morning. - Continue setting in mud pump #2, gas buster, water tanks, koomey unit, and stair ways. Rig up - mud pits and mud pumps. Welder repairing damage to derrick. - All rig and rental equipment off Federal 15-24-9-18 location. Mud materials will be trucked to new

Daily Cost: $0

Cumulative Cost: $137,881

FEDERAL 9-12-9-18 **Rigging up on Fed.9-12-9-18**

Date: 9/13/2008

DHS #12 at . 0 Days Since Spud - Rig is currently 60% rigged up. Expected spud date - Tuesday AM. - Rig Repair - Finish welding repairs to derrick, replace brake band on drawwork, repairing rotary - table. Magnaflux BHA, kelly, swivel, kelly spinner, kelly valve, and subs.
Daily Cost: $0
Cumulative Cost: $188,327

FEDERAL 9-12-9-18 **Rigging up on Fed.9-12-9-18**
Date: 9/14/2008
DHS #12 at . 0 Days Since Spud - 75% rigged up - anticipated spud date: Tuesday am - Continue rigging up - 2nd crane arrived @ 9am. Rig up and lift derrick, pin to substructure and set - on stand. Set in catwalk, slide, and block stand. Set blocks on stand and prepare to string up. - Change liners on mud pumps.
Daily Cost: $0
Cumulative Cost: $207,875

FEDERAL 9-12-9-18 **Rigging up on Fed.9-12-9-18**
Date: 9/15/2008
DHS #12 at . 0 Days Since Spud - 90% rigged up - Anticipated spud date: Tuesday - RU Pason, air and water lines. - String up blocks. - and brass. - Break in and adjust drawwork brakes. Work on #1 forward motor. Install new dead man bolts - Safety meeting - Raise derrick. Continue rigging up. RU lights, tuggers, hand rails, 7floor plates
Daily Cost: $0
Cumulative Cost: $227,423

FEDERAL 9-12-9-18 **Rigging up on Fed.9-12-9-18**
Date: 9/16/2008
DHS #12 at . 0 Days Since Spud - RU koomey, Pick up bails and elevators. Adjust cathead, torque kelly, RU spinner while - 98% rigged up. - waiting on delivery of BOP bolts / nuts. - NU BOP. Set in single gate, mud cross, double gate, and 10k annular. NU BOP kill side and - choke side. Install flowline. Welder modifying choke melon.
Daily Cost: $0
Cumulative Cost: $247,666

FEDERAL 9-12-9-18 **Pre-Spud Inspection / PU BHA**
Date: 9/17/2008
DHS #12 at . 0 Days Since Spud - Adjust derrick rack, strap BHA, install wear bushing. - Clean up floor, clean cement out of flowline, center BOP stack - 250 psi low for 5 minutes / 2000 psi high for 10 minutes. All components tested ok. - NU BOP - Torque up nuts w / hydraulic wrenches. RU choke mellon, welder modifying to fit - Test BOP - Tested upper & lower kelly valve, safety valve, dart valve, upper and lower pipe rams, - Hook up hydraulic lines and function test BOP, swap lines hooked up wrong, refunction test - OK. - in DHS chole house. - blind rams, choke, kill lines, and valves, choke manifold, power choke and annular preventor to
Daily Cost: $0
Cumulative Cost: $306,051

FEDERAL 9-12-9-18 **Drilling 12 1/4" hole**
Date: 9/18/2008

DHS #12 at . 0 Days Since Spud - Drill f/ 650' - 990'. (340' @ 68 fph). Diff: 350, WOB: 20-25k, Rot: 60, SPP: 1500 psi. - Service Rig, function test upper pipe rams. - Drill f/ 528' - 650'. (122' @ 81 fph). Diff: 350, WOB: 20-25k, Rot: 50, SPP: 1500 psi. - Survey @ 450': 0 deg. -

Pre Spud inspection, hold Pre spud safety meeting. - Drill out cement f/ 210' - 244'. - Sand trap discharge water channeling under mud pits - berm up to flow into reserve pit - Make up bit, motor, shock sub, 8" DC, IBS, 8" DC, IBS, 8"x6" sub, XO, 61/2" DCs. Tag cement @ 210'. - Drill f/ 244' to 528'. (284' @ 63 fph). WOB: 5-10k, Diff: 350psi.
Daily Cost: $0
Cumulative Cost: $329,509

FEDERAL 9-12-9-18 **Drilling 12 1/4" hole @ 2391'**
Date: 9/19/2008
DHS #12 at 2391. 1 Days Since Spud - Drill f/ 2041' - 2391. (350' @ 60 fph). Diff: 200-300, WOB: 10- 15k, Rot: 50, SPP: 1750 psi. - Pump sweep, Survey @ 1963': 2.0 deg. Function test annular. Mud Pump #1 back on line - Drill f/ 1540' - 2041'. (501' @ 59 fph). Diff: 200-300, WOB: 10- 15k, Rot: 50, SPP: 1100 psi. - Survey @ 1462': 1.0 deg - Drill f/ 990' - 1002'. (12' @ 48 fph). Diff: 350, WOB: 20-25k, Rot: 60, SPP: 1500 psi. - Lost #1 mud pump. Drilling ahead w/ #2 at 540 gpm. - Drill f/ 1002' - 1288'. (286' @ 127 fph). Diff: 350, WOB: 20-25k, Rot: 60, SPP: 1500 psi. - Survey @ 942': 0.5 deg. - Drill f/ 1288 - 1540'. (252' @ 56 fph). Diff: 100-200, WOB: 5-10k, Rot: 60, SPP: 1100 psi.
Daily Cost: $0
Cumulative Cost: $356,860

FEDERAL 9-12-9-18 **Drilling 12 1/4" hole @ 3250'**
Date: 9/20/2008
DHS #12 at 3250. 2 Days Since Spud - Drill f/ 3209' - 3250'. (41' @ 20 fph). Diff: 100-120, WOB: 6-8k, Rot: 110, SPP: 1725 psi. - Survey @ 3131': 7 deg - Reduced WOB and increased RPM in effort to drop angle - Drill f/ 3147' - 3209'. (62' @ 12 fph). Diff: 100-150, WOB: 6-8k, Rot: 110, SPP: 1800 psi. - Survey @ 3069': 7deg . Searching for 14 deg totco clock - have one being sent from Rock Springs. - Drill f/ 2391' - 2549'. (158' @ 52 fph). Diff: 250-300, WOB: 22-26k, Rot: 40, SPP: 1750 psi. - Drill f/ 3053'- 3083', re-survey @ 3005': 7 deg - Survey @ 2975': 7 deg (tool max out at 7deg) - Drill f/ 2549' - 3053'. (502' @ 67 fph). Diff: 250-300, WOB: 24-28k, Rot: 45, SPP: 1800 psi. - Survey @ 2471': 2.5 deg. Service Rig. - Drill f/ 3083' - 3147'. (64' @ 32 fph). Diff: 150-200, WOB: 15-17k, Rot: 80, SPP: 1800 psi.
Daily Cost: $0
Cumulative Cost: $381,322

FEDERAL 9-12-9-18 **TIH w/ DP to set cement plug**
Date: 9/21/2008
DHS #12 at 3274. 3 Days Since Spud - Trip in w/ open ended drill pipe. Picking up additional joints to reach TD. - Pick up 8" directional tools, make up and scribe motor. Stand back in derrick - Cont tripping out of hole, lay down 8" DC, IBS, mud motor, and bit. - 2498': 7.5 deg, 2403': 6.0 deg, 2308': 4.5 deg, 2212': 4.0 deg. - Drill f/ 3250' - 3274. (24' @ 12 fph). Diff: 100-120, WOB: 6-8k, Rot: 110, SPP: 1725 psi. - Survey @ 3196': 12.25 deg. Trip out of hole taking Totco surveys every stand up to 2212'. Surveys - Circ and cond while waiting on 14 deg Totco tool. - Survey @ 3196': 7 + deg. Reading beyond tools limit. - follows: 3069': 13 deg, 2973': 13 deg, 2882': 13 deg, 2786': 13 deg, 2690': 10 deg, 2594': 10 deg,
Daily Cost: $0
Cumulative Cost: $406,789

FEDERAL 9-12-9-18 **Waiting on Cement**
Date: 9/22/2008

DHS #12 at 2198. 4 Days Since Spud - Wait on Cement. Rig up gas buster lines, and flare line. - Wait on Cement. Trip out of hole laying down 60 joint excess drill pipe. - Displace w/ wate to balance plug. Pull 8 stands to 1930' and circ out trace of cement. - Set cement plug

#2 f/ 2698 - 2198'. Mix and pump 527 sx (93 bbls) 'G'+ .4%CD-32 mixed @ 17 ppg - Displace water to balance plug. Pull 6 stands to 2698' and circ out 27 bbl excess cement - Set cement plug #1 f/ 3474' - 2698'. Mix and pump 527 sx (93 bbls) 'G'+ .4%CD-32 mixed @ 17 ppg - Circ and condition while rigging up BJ Cementers. Held PJSM w/ BJ and rig crew - Cont. tripping in hole picking up joints of drill pipe to reach TD.
Daily Cost: $0
Cumulative Cost: $467,502

FEDERAL 9-12-9-18 **Drilling 12 1/4" Sidetrack @2405'**
Date: 9/23/2008
DHS #12 at 2405. 5 Days Since Spud - Drill / Slide from 2366' 2405'. - Continue sliding f/ 2330' - 2366'. Increase WOB f/ 1k to 6k. Samples @ 75% formation. - Wait on Cement - Shim Derrick to re-center over hole - Tag TOC @ 2131'. Drill hard cement to 2319'. MWD survey @ 3.9 deg. Trough well to low side. - Trip in hole. Change out H.O. Sub and MWD probe, Continue tripping in hole surveying w/ MWD. - Orient and time drill @ 1 ft/ hr f/2319' - 2324, increase to 2 ft/hr f/ 2324' - 2330.
Daily Cost: $0
Cumulative Cost: $530,897

FEDERAL 9-12-9-18 **Drilling 12 1/4" @ 3550'**
Date: 9/24/2008
DHS #12 at 3550. 6 Days Since Spud - Drill f/ 2405' - 3274' (869' @ 54'/hr) WOB: 12-18k, Rot: 50-65, Diff: 200-350 psi, SPP: 1200-1600 - Drill f/ 3274' - 3550' (869' @ 34'/hr) WOB: 18k, Rot: 50, Diff: 150 psi, SPP: 1700
Daily Cost: $0
Cumulative Cost: $574,991

FEDERAL 9-12-9-18 **Drilling 12 1/4" @ 3,850 ft.**
Date: 9/25/2008
DHS #12 at 3850. 7 Days Since Spud - Rotary motor drill 12-1/4" hole 3,736 to 3,850 ft. 114 ft at 20.7 fph. - Rig service. - Drilled f/ 3550' - 3553'. ROP slowed to 5 ft/hr. Adjusted WOB and RPM - no change. - TOH, lay down directional tools and bit. PU 8" straight motor, F40 insert bit.TIH. - Build and pump slug, set kelly back. - Rotary motor drill 12-1/4" hole 3,553 to 3.736 ft. 183 ft at 61.0 fph.
Daily Cost: $0
Cumulative Cost: $654,281

FEDERAL 9-12-9-18 **Running casing**
Date: 9/26/2008
DHS #12 at 4050. 8 Days Since Spud - Run 8-5/8" casing. Currently at 1,435 ft. - collars and 3rd pin. Fill and circulate through casing. - Make up float shoe, shoe joint, float collar, and 3 joints. Thread lock FS,FC, both ends first 2 - Rotary motor drill 12-1/4" hole 3,850 to 4,050 ft. 200 ft at 23.5 fph. - Pull wear bushing. - Pump pill. Drop Totco survey. Pull out of Hole. Lay down mud motor and 2 8" DC's. No problems. - Pump high-vis sweep. Circulate hole clean. - Held pre-job and safety meeting. Rig up pick-up machine and Kimzey casing crew.
Daily Cost: $0
Cumulative Cost: $702,314

FEDERAL 9-12-9-18 **Pressure Testing - BOPE**
Date: 9/27/2008
DHS #12 at 4050. 9 Days Since Spud - Rig up B&C quick testers. Test upper & lower kelly

valves, Dart valve, and safety valve. - Lay down landing joint and running tool. Install packoff assembly, energize. Test to 2,000 psi, ok. - Performed 30 sk top job. 15.8 ppg + 2% CaCl2. 10 sks to pit. Cement 6" below mandrel hanger. - Wait on cement. - Ran 89 joints 8-5/8" surface casing. 32.0 lb/ft, J-55, ST&C. Tagged bottom at 4,049 ft. 1 ft fill - 222 sks tail slurry at 14.2 ppg. Displaced with 243.5 bbls fresh water. Bumped plug 500 psig over - Test cement line to 3,800 psig. Pump 20 bbls mud clean. 819 sks lead slurry at 12.0 ppg + additives - Circulate and condition hole. RD casing crew. Held pre-job & safety meeting. Rig up BJ cementers. - Float shoe at 4,037 ft. Float collar at 3,988 ft. - at 1,500 psig. Floats held. Recicprocated casing up to dropping plug. 74 sks good cement to pit.
Daily Cost: $0
Cumulative Cost: $772,147

FEDERAL 9-12-9-18 **Drill Cement Plugs**
Date: 9/28/2008
DHS #12 at 4050. 10 Days Since Spud - Drill soft cement, wiper plug and float collar. - Test upper pipe rams. HCR valve, choke and kill line valves, choke manifold valves, chokes, blind - Test MWD probe, okay. - RIH to 621 ft. - Rig service. - Change out MWD probe. - Pull out of hole. - Test MWD probe. Probe not working. - RIH to 621 ft. - PU mud motor & bit. Pu monell & hang off sub. Install MWD probe. Set bent housing to 1.15 degrees. - Install wear bushing. - Test casing to 1,500 psi for 30 min, okay. Rig down B & C Quick Tester. - Work stand drill collars and 12-1/8" IBS through annular. Pull test plug. - Test lower pipe rams to 250 psi for 5 min and 10,000 psi for 10 min, okay. - Attempt to pull test plug. Could not get annular to open fully. - 5,000 psi for 10 min, okay. - rams to 250 psi for 5 min and 10,000 psi for 10 min, okay. Test annular to 250 psi for 5 min and - RIH to 3,976 ft. Drill string took weight.
Daily Cost: $0
Cumulative Cost: $801,966

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with fresh water**
Date: 9/29/2008
DHS #12 at 5068. 11 Days Since Spud - Note: Connections and survey's are not backed out. - Rotary motor drill 7-7/8" hole 4,817 to 5,068 ft. 251 ft at 62.8 fph. - Rig service. - Rotary motor drill 7-7/8" hole 4,441 to 4,817 ft. 376 ft at 50.1 fph. - Rotary motor drill 7-7/8" hole 4,252 to 4,441 ft. 189 ft at 47.3 fph. - Rig service. - Circulate and condition hole at 4,001 ft. - Perform FIT to 12.1 ppg EMW. 750 psig with 8.5 ppg fluid for 3 min. - Circulate and condition hole. Spot high-vis pill at bottom of hole. - Rotary motor 7-7/8" hole from 4,050 to 4,063 ft. 13 ft at 26.0 fph. - Drill shoe track and float shoe at 4,037 ft. Clean out rat hole to 4,050 ft. - Test 8-5/8" casing below float collar to 1,500 psig for 5 min., okay. - Rotary motor drill 7-7/8" hole 4,063 to 4,252 ft. 189 ft at 54.0 fph.
Daily Cost: $0
Cumulative Cost: $831,446

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with fresh water**
Date: 9/30/2008
DHS #12 at 6262. 12 Days Since Spud - NOTE: Connection and survey time not backed out. - Rotary motor drill 7-7/8" hole 6,011 to 6,262 ft. 251 ft at 50.2 fph. - Rig service. - Rotary motor drill 7-7/8" hole 5,068 to 5,476 ft. 408 ft at 54.4 fph. - Rotary motor drill 7-7/8" hole 5,476 to 5,665 ft. 189 ft at 47.3 fph. - Rig service. Function test upper & lower pipe rams. - Rotary motor drill 7-7/8" hole 5,665 to 6,011 ft. 346 ft at 53.2 fph.
Daily Cost: $0
Cumulative Cost: $898,673

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with fresh water**

Date: 10/1/2008
DHS #12 at 7456. 13 Days Since Spud - Rotary motor drill 7-7/8" hole 6,262 to 6,670 ft. 408 ft at 51.0 fph. - Rotary motor drill 7-7/8" hole 7,144 to 7,176 ft. 32 ft at 64.0 fph. - Rig service. Function HCR valve. - Rotary motor drill 7-7/8" hole 6,670 to 6,860 ft. 190 ft at 54.3 fph. - Rotary motor drill 7-7/8" hole 6,860 to 7,144 ft. 284 ft at 56.8 fph. - Rig repair. Replace break out cable on tongs. - Rotary motor drill 7-7/8" hole 7,176 to 7,456 ft. 280 ft at 50.9 fph. - Rig service. Function test pipe rams.
Daily Cost: $0
Cumulative Cost: $1,078,127

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with mud**
Date: 10/2/2008
DHS #12 at 8578. 14 Days Since Spud - Rotary motor drill 7-7/8" hole 8,115 to 8,578 ft. 463 ft at 46.3 fph. MW 8.9. Vis = 34. - Rotary motor drill 7-7/8" hole 8,000 to 8,115 ft. 115 ft at 57.5 fph. Start mud up at 8,100 ft. - Rotary motor drill 7-7/8" hole 7,830 to 8,000 ft. 170 ft at 48.6 fph. - Rig service. - Rotary motor drill 7-7/8" hole 7,456 to 7,830 ft. 374 ft at 46.8 fph. - Note: Connection and survey times are not backed out.
Daily Cost: $0
Cumulative Cost: $1,121,150

FEDERAL 9-12-9-18 **LD mud motor.**
Date: 10/3/2008
DHS #12 at 8771. 15 Days Since Spud - Rig service. - Replace shaker screens and raise front end. - Rotary motor drill 7-7/8" hole 8,641 to 8,771 ft. 130 ft at 28.9 fph. Penetration rate slowed. - Circulate bottoms up. - Pump pill and drop Totco survey. - Rotary motor drill 7-7/8" hole 8,578 to 8,641 ft. 63 ft at 21.0 fph. - Lay down 7 joints drill pipe from V-door. - Pull out of hole. Lay down additional 50 joints drill pipe needing hard banding. - POOH with BHA. Recover Totco survey. 3-1/2 degrees at 8,684 ft. Break off bit. - Currently LD mud motor. - NOTE: Used trip tank. Hole took correct fluid. - Pull out of hole to casing shoe. No problems. Lay down 8 joints drill pipe with no hard band.
Daily Cost: $0
Cumulative Cost: $1,159,221

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with mud**
Date: 10/4/2008
DHS #12 at 9110. 16 Days Since Spud - Run in hole to 8,711 ft. Fill drill string & break circulation at 7,200 & 8,711 ft. - Wash & ream 8,711 to 8,771 ft. No fill. Break in bit. - Rotary motor drill 7-7/8" hole 8,771 to 9,110 ft. 339 ft at 32.3 fph. - NOTE: Connection time not backed out. Bit on bottom = 9.2 hrs. = 36.8 fph. - 2.00 degrees at 4,113 ft. - LD mud motor. Pick up new mud motor and set bent housing to 1.15 degrees. MU bit. - RIH 4 stds D.C.'s. Pick up drilling jars. RIH 1 std D.C.'s. - PU 57 jts drill pipe with new hard band. - Cut and slip 110 ft. drilling line. - Run in hole to 4,200 ft. Fill drill string. Circulate. Take check shot with Extreme MWD probe.
Daily Cost: $0
Cumulative Cost: $1,205,179

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with mud**
Date: 10/5/2008
DHS #12 at 9805. 17 Days Since Spud - Rotary motor drill 7-7/8" hole 9,473 to 9,805 ft. 332 ft at 34.9 fph. - Rig service. Function test pipe rams. - Change out rotating head rubber and drive bushing. - Rotary motor drill 7-7/8" hole 9,442 to 9,473 ft. 31 ft at 31.0 fph. - Rig service. Level derrick. - Rotary motor drill 7-7/8" hole 9,348 to 9,442 ft. 94 ft at 31.3 fph. -

Install rotating head rubber. - Rotary motor drill 7-7/8" hole 9,316 to 9,348 ft. 32 ft at 32.0 fph. - Rotary motor drill 7-7/8" hole 9,110 to 9,316 ft. 206 ft at 31.7 fph.
Daily Cost: $0
Cumulative Cost: $1,238,529

FEDERAL 9-12-9-18 **TIH**
Date: 10/6/2008
DHS #12 at 10069. 18 Days Since Spud - Run in hole. Currently at 1,800 ft. - Pick up straight mud motor. Make up bit. - Break off bit. LD monel DC & mud motor. Totco survey at 9,982 ft = 3.0 degrees. - Pull out of hole, no problems. Hole took proper fill. - Circulate bottoms up for sample. - Rotary motor drill 7-7/8" hole 9,973 to 10,069 ft. 96 ft at 19.2 fph. Bit slowed. - Rig service. Dump & clean sand trap. Function test pipe rams. Flow check, okay. - Rotary motor drill 7-7/8" hole 9,805 to 9,973 ft. 168 ft at 24.0 fph. - Pump pill. Drop Totco survey. Check for flow. No flow.
Daily Cost: $0
Cumulative Cost: $1,272,086

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with mud**
Date: 10/7/2008
DHS #12 at 10605. 19 Days Since Spud - Fill and break circulation. Precautionary wash & ream 9,970 to 10,0069 ft. No fill. - Break in bit. - NOTE: Grouted cellar with 2 cu.yds. 6-1/2 sack mix. 4,000 psi compressive strength. - Rotary motor drill 7-7/8" hole 10,591 to 10,605 ft. - Rig service. - Rotary motor drill 7-7/8" hole 10,253 to 10,591 ft. 338 ft at 32.2 fph. - Rotary motor drill 7-7/8" hole 10,069 to 10,253 ft. 184 ft at 30.7 fph. - RIH to 9,970 ft. No problems. Fill and break circulation at 4,000 & 7,200 ft.
Daily Cost: $0
Cumulative Cost: $1,323,151

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with mud**
Date: 10/8/2008
DHS #12 at 11245. 20 Days Since Spud - Rotary motor drill 7-7/8" hole 11,032 to 11,245 ft. 213 ft at 18.5 fph. - Switch mud pumps. Had problems with pump No. 1 throttle control. - Rotary motor drill 7-7/8" hole 10,605 to 11,032 ft. 427 ft at 35.6 fph.
Daily Cost: $0
Cumulative Cost: $1,367,062

FEDERAL 9-12-9-18 **TIH**
Date: 10/9/2008
DHS #12 at 11350. 21 Days Since Spud - Run in hole with drill pipe to 1,610 ft. - Replace spinning chain for drill pipe. - Pick up and run in hole 6 singles with new hard band. - Install rotating head rubber. - RIH with BHA. - Function test BOP"s. Make up bit and bit sub. - Rotary motor drill 7-7/8" hole 11,245 to 11,350 ft. 105 ft at 14.0 fph. Bit slowed. - Pull out of hole. No problems. Hole took proper fill. - Rig repair. Replace cable for breakout tongs. - Pull out of hole. No problems. - Pump pill. Drop Totco survey. - Circulate bottoms up. Mud loggers caught sample. - Break off bit. Lay down mud motor. Recover Totco survey. 1.10 degrees at 11,300 ft.
Daily Cost: $0
Cumulative Cost: $1,406,999

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with mud**
Date: 10/10/2008

DHS #12 at 11505. 22 Days Since Spud - NOTE: Flare currently 6-8 ft. - Rotary drill 7-7/8" hole 1,366 to 11,505 ft. 139 ft at 18.5 fph. - Rig service. - Rotary drill 7-7/8" hole 11,350 to 11,366 ft. 16 ft at 16.0 fph. - Break in bit. - Wash and ream 11,271 to 11,350 ft. 2-3 ft soft fill. - Run in hole to 3,978 ft. - Circulate gas out of hole. Condition mud. - Run in hole to 9,567 ft. No problems. - Circulate gas out of hole. Condition mud. - Run in hole to 6,032 ft. No problems. - Cut and slip 70 ft drilling line. - Circulate gas out of hole. Condition mud. - Run in hole to 11,271 ft. No problems.
Daily Cost: $0
Cumulative Cost: $1,463,070

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with mud**
Date: 10/11/2008
DHS #12 at 11852. 23 Days Since Spud - NOTE: Flare = 1-3 to 6-8 ft. On bottom bit hrs = 28.6 for 17.5 fph. - Rotary drill 7-7/8" hole 11,692 to 11,852 ft. 160 ft at 13.3 fph. - Rotary drill 7-7/8" hole 11,623 to 11,692 ft. 69 ft at 15.3 fph. - Rotary drill 7-7/8" hole 11,505 to 11,523 ft. 18 ft at 18.0 fph. - Rotary drill 7-7/8" hole 11,523 to 11,623 ft. 100 ft at 18.2 fph. - Change mud pumps and get slow pump rates. - Rig service.
Daily Cost: $0
Cumulative Cost: $1,495,769

FEDERAL 9-12-9-18 **Circulate & Condition Hole**
Date: 10/12/2008
DHS #12 at 11880. 24 Days Since Spud - Fill drill string and break circulation. Check for flow. Well flowing. Circulate out gas. - Rotary drill 7-7/8" hole 11,852 to 11,873 ft. 21 ft at 6.0 fph. - Fill drill string and break circulation. Check for flow. No flow. - Run in hole to 4,069 ft. - Install rotating head rubber. - Run in hole with BHA. - Make up new bit. - Break off bit. Recover Totco survey. Mis-run at 11,855 ft. - Pull out of hole. Hole fill short 10.5 bbls. - Rig repair. Replace sprocket on compound oiler pump. - Pull out of hole to 3,226 ft. Tight spot at 11,330 ft. 40K over. - Pump pill. Drop totco survey. - Circulate and condition hole. Raise mud weight to 10.8 ppg in and 10.7 ppg out. - Rotary drill 7-7/8" hole 11,873 to 11,880 ft. 7 ft at 7.0 fph. Bit slowed. - Rig service. - Run in hole to 6,275 ft. No problems.
Daily Cost: $0
Cumulative Cost: $1,534,044

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with mud**
Date: 10/13/2008
DHS #12 at 12128. 25 Days Since Spud - Rotary drill 7-7/8" hole 11,988 to 12,128 ft. 140 ft at 14.7 fph. - Work bit through fractures. - Rotary drill 7-7/8" hole 11,960 to 11,988 ft. 28 ft at 18.7 fph. - Rotary drill 7-7/8" hole 11,880 to 11,960 ft. 80 ft at 22.8 fph. - Circulate out gas and condition mud at 6,275 ft. - Calibrate hook load and torque gauge. - Precautionary wash & ream 116 ft to bottom. No fill. - Run in hole to 11,764 ft. No problems. - Run in hole to 9,425 ft. Circulate out gas and condition mud. - Break in bit.
Daily Cost: $0
Cumulative Cost: $1,558,896

FEDERAL 9-12-9-18 **TOOH**
Date: 10/14/2008

DHS #12 at 12254. 26 Days Since Spud - Rotary drill 7-7/8" hole 12,128 to 12,223 ft. 95 ft at 10.0 fph. - Rig repair. Replace compound oiler pump. - Pull out of hole for bit. Tight at 11,270 ft (20 over) & 10,240 ft (30 over). - Pump pill. Drop totco survey. Pull rotating head rubber. - Rig service. - Rotary drill 7-7/8" hole 12,243 to 12,254 ft. 11 ft at 3.7 fph. Bit slowed. - Change mud pumps. - Rotary drill 7-7/8" hole 12,223 to 12,243 ft. 20 ft at 8.0 fph. - Circulate

sample up. Bring mud weight up to 11.0 ppg.
Daily Cost: $0
Cumulative Cost: $1,588,987

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with mud**
Date: 10/15/2008
DHS #12 at 12318. 27 Days Since Spud - Rotary drill 7-7/8" hole 12,254 to 12,318 ft. 64 ft at 10.7 fph. - Break in bit. - Precautionary wash and ream 12,180 to 12,254 ft. Wash bottom clean. - Run in hole to 12,180 ft. No problems. - Fill drill string and break circulation. Check for flow. No flow. - Run in hole to 10,636 ft. No problems. - Rig repair. Repair compound oiler pump. - Run in hole to 7,525 ft. No problems. - Cut and slip 100 ft drilling line. - Fill drill string and circulate gas out of hole. Check for flow. No flow. - Run in hole to 4,00 ft. - Change bit. Recover Totco survey. 2.25 degrees at 12,206 ft. - Pull out of hole. No problems. Hole took 6 bbls over calculated fill. - Fill drill string and break circulation. Check for flow. No flow.
Daily Cost: $0
Cumulative Cost: $1,632,480

FEDERAL 9-12-9-18 **Drill 7 7/8" hole**
Date: 10/16/2008
DHS #12 at 12572. 28 Days Since Spud - Rotary drill 7-7/8" hole 12,449 to 12,572'. 123' at 10.3 fph. - Rotary drill 7-7/8" hole 12,440 to 12,449 ft. 9 ft at 9.0 fph. - Rotary drill 7-7/8" hole 12,318 to 12,412 ft. 94 ft at 11.75 fph. - Rotary drill 7-7/8" hole 12,412 to 12,440 ft. 28 ft at 14.0 fph. - Rig service. - Switch mud pumps.
Daily Cost: $0
Cumulative Cost: $1,659,300

FEDERAL 9-12-9-18 **Drill 7 7/8" hole**
Date: 10/17/2008
DHS #12 at 12660. 29 Days Since Spud - Drill f/ 12601' - 12660'. 59' @ 17 fph. - Circ out heavy gas cut mud thru gas buster. 20-30 ft. flare - Make up new bit, trip in hole. Install rotating head. (Mis-Run on Totoc) - Pull Rotating head and trip out of hole for new bit. Lost #1 drawwork engine, TOH w/ one engine. - Circ, Pump 100 bbls / 13 ppg slug, drop Totco and wait 25 minutes. - Drill f/ 12,572' - 12,601'. 29' @ 11.6 fph.
Daily Cost: $0
Cumulative Cost: $1,702,707

FEDERAL 9-12-9-18 **Tripping in hole w/ bit #11**
Date: 10/18/2008
DHS #12 at 12861. 30 Days Since Spud - Cont. tripping in hole. - Slip and cut 85' drilling line. - Trip in hole to 3917' - Function blind rams, change out bit, recover totoc survey - 0 deg. - Drill f/ 12660' - 12785'. 125' @ 19.2 fph - Circ, pump 100 bbl 13.1 ppg slug, drop totoc. - Drill f/ 12785' - 12861'. 76' @ 13.8 fph. ROP slowed to 6 fph. Building slug for TOH. - Service Rig - Trip out of hole for bit #11. 20 - 25k drag first 5 stands.
Daily Cost: $0
Cumulative Cost: $1,729,553

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with mud**
Date: 10/19/2008

DHS #12 at 13085. 31 Days Since Spud - WOB: 30k, Rotary: 120 rpm. Seeing 5-10k drag reaming on connections. - Cont. tripping in hole. - Circ out gas cut mud, wash & ream 45' to bottom. - Rotary drill f/ 12862' to 13085'. 223' @ 12 fph. Adjusting drilling parameters to

maximize ROP.
Daily Cost: $0
Cumulative Cost: $1,775,534

FEDERAL 9-12-9-18 **Tripping in hole w/ bit #12**
Date: 10/20/2008
DHS #12 at 13147. 32 Days Since Spud - Note: Top of Spring Canyon formation @ 13127'. - Fill pipe and test survey tool @ 3021' - Survey tool not sending signal. Cont TIH. 6653' @ 6am. - TIH w/ bit, motor and survey tool. Monel DC did not arrive in time to run. - loaction @ 0030 hrs. Well started flowing. Gained 9 bbls in 4 hours. Make up Survey tool. - Make up bit # 12 and 1.5 deg bent motor. Wait on Extreme Engr. Survey tool. Tech arrived on - Drill f/ 13085' - 13129'. (44ft @ 8' hr). - Trip out of hole w/ bit # 11. Hole taking proper fill. Break off bit and recover totco. Survey - Circ, build 100 bbl 13 ppg slug. Slug pipe and drop totco survey. - Rotary drill f/ 13129' - 13147'. (18' @ 7.2'/hr). ROP slowed to 5'/hr. Prepare to trip for bit. - Service rig. - shows to be greater than 7 deg.
Daily Cost: $0
Cumulative Cost: $1,817,941

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with mud**
Date: 10/21/2008
DHS #12 at 13515. 33 Days Since Spud - Note: Top of Mancos @ 13199' - Rotary drill f/ 13147' to 13515'. (368' @ 29 fph. Bit Hrs Only). Motor Diff: 100-200 Psi - Trip in hole to 12000'. - Fill pipe, circ out gas cut mud. - Survey @ 11960', 12249', 12727', & 13096' While running in hole. Cont. wash & ream to TD.
Daily Cost: $0
Cumulative Cost: $1,848,501

FEDERAL 9-12-9-18 **Trip in hole w/ bit #13**
Date: 10/22/2008
DHS #12 at 13811. 34 Days Since Spud - Rotary / Motor Drill f/ 13515, - 13811'. (296' @ 30.8 fph). ROP slowed to 15 fph, unable to get - Trip in hole - more than 150 psi diff. pressure. - TOH w/ bit #12 and 1.5 deg. mud motor. Hole taking proper fill - Circ hole while building 100 bbl 13.1 ppg slug - Lay down bit #12 and 1.5 deg bent motor. PU Bit # 13 and straight Hunting motor
Daily Cost: $0
Cumulative Cost: $1,911,056

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with mud**
Date: 10/23/2008
DHS #12 at 14133. 35 Days Since Spud - Note: Top of Mancos B @ 13560' - Drill f/ 13918' - 14133'. (215' @ 69 fph) Diff: 350 psi. - Rig service - Drill f/ 13811' - 13918'. (107' @ 21 fph) Motor Diff: 200-300 psi. - Trip in hole to 4000'. - Rig Repair, fix high drum clutch. - TIH to 7500'. - Cut and slip 95' drilling line - Cont. TIH, Wash / ream 45' to bottom.
Daily Cost: $0
Cumulative Cost: $1,940,463

FEDERAL 9-12-9-18 **Drill 7 7/8" hole with mud**
Date: 10/24/2008

DHS #12 at 14915. 36 Days Since Spud - Rotary / Motor drill f/ 14727' - 14915' (188' @ 41 fph) WOB:16-18k, Diff: 200-300 psi - Service Rig - Rotary / Motor drill f/ 14133' - 14382'. (249' @ 52 fph) WOB: 16-18k, Diff: 200-300 psi - Service Rig - Rotary / Motor drill f/ 14382'

- 14727' (345' @ 65 fph) WOB:16-18k, Diff: 200-300 psi
Daily Cost: $0
Cumulative Cost: $1,996,394

FEDERAL 9-12-9-18 **Circulate & Condition Hole**
Date: 10/25/2008
DHS #12 at 15433. 37 Days Since Spud - Circ and cond hole at TD. MW In: 11.4, MW Out: 11.4 ppg. - Rotary / Motor drill f/ 14915' - 15167'. (252' @ 44 fph). WOB: 22-26k, Diff: 200-300 psi - Rig Service - Rotary / Motor drill f/ 15167' - 15433'. (266' @ 31 fph). WOB 22-30k, Diff: 200-300.
Daily Cost: $0
Cumulative Cost: $2,030,551

FEDERAL 9-12-9-18 **Tripping out of hole for logs**
Date: 10/26/2008
DHS #12 at 15433. 38 Days Since Spud - Continue tripping out of hole. - Circ 30 minutes. Spot 100 bbl 14.4 ppg heavy pill in open hole above Mesa Verde formation. - TOH to 9900'. Install rotating head rubber. - Circ hole 30 minutes. Spot 100 bbl 14.4 ppg heavy pill in open hole above Mancos Castlegate fm. - Circ and condition, pump 50 bbl 13.4 ppg slug. Pull rotating head rubber. - Circ out gas cut mud and condition hole. MW In / Out: 11.4 / 11.4. Mix 250 bbls 14.4 ppg mud. - Install rotating head rubber, Trip in hole. - Observe well - check for flow. Well static. - Wiper trip f/ TD to 13000'. Max over pull: 35-40k 1st 5 stands. No drag @ 13000' - TOH to 12100'. Install rotating head rubber.
Daily Cost: $0
Cumulative Cost: $2,069,221

FEDERAL 9-12-9-18 **Logging well @ TD**
Date: 10/27/2008
DHS #12 at 15433. 39 Days Since Spud - Trip Tank Volume has increased 10.8 bbls past 20 hrs. Well is currently static. - Pull XRMI/ Wave Sonic tool out of hole. Lay down tool. - Logging run #2 - XRMI / Wave Sonic. Run in hole to 11,000' - tool malfuctioned. (No hole problems) - Finish tripping out of hole. - Rig up HLS - Modify cable head for increased pull. - Lay down bit, mud motor, and hang off sub. Clean floor. - Logging run #1 - Triple combo. Encountered small bridges running in hole. Tag TD @ 15353'.
Daily Cost: $0
Cumulative Cost: $2,098,888

FEDERAL 9-12-9-18 **Logging well @ TD**
Date: 10/28/2008
DHS #12 at 15433. 40 Days Since Spud - 13.7 bbls past 4 hrs. - Logging Run #2 RR - Log XMRI / Wave Sonic. - Logging Run #3 - MRIL. Loggers TD: 15350'. Currently logging @ 13900'. +24 hrs left to log. - Note: Total Mud gained last 44 hrs: 33.1 bbls. Started loosing mud at 2am. Hole has taken
Daily Cost: $0
Cumulative Cost: $2,128,555

FEDERAL 9-12-9-18 **Logging well @ TD**
Date: 10/29/2008
DHS #12 at 15433. 41 Days Since Spud - Cont. w/ logging run #3 - MRIL Log.
Daily Cost: $0
Cumulative Cost: $2,172,356

FEDERAL 9-12-9-18 **Circulate & Condition Hole**
Date: 10/30/2008
DHS #12 at 15433. 42 Days Since Spud - Note: Received approval from Cade Taylor - BLM to continue operations Without retesting BOPs. - Wash / ream hole from 15213' to 15433' - Work pipe and jar 8 joints out of hole. String free @ 15213'. - high torque. Attempt to pull up, pulling 70k over string wt. Work pipe while circulating. - Kelly up and circ out gas / gas cut mud. Attempt to wash / ream to 45' to TD - Unable to rotate due - Finished w/ logging run #3 - pull tool out of hole. Well started flowing and blowing mud thru - Kelly up and circ out gas / gas cut mud. - Trip in hole to 10,000'. - Kelly up, circ out gas cut mud. - Make up bit, open blind rams, trip in hole to 5000'. - kelly bushing. Close blind rams to allow HLS to break and lay down tool. Rig down HLS. - Trip in hole tag up @15388'. Seeing 20-35k Lbs drag last 6 stands.
Daily Cost: $0
Cumulative Cost: $2,203,484

FEDERAL 9-12-9-18 **Lay Down Drill Pipe/BHA**
Date: 10/31/2008
DHS #12 at 15433. 43 Days Since Spud - Continue laying down drill pipe to 4500' - Circ hole 30 minutes. Spot 100 bbls 14.4 ppg pill @ 9817' - Cont. Laying down drill pipe to 9817'. - Circ and condition mud / hole. Prepare 225 bbls 14.4 ppg mud. RU Laydown machine. - L/D 103 joints DP - Bit depth @ 12117'. - PJSM w/ Laydown Crew. - Circ hole 30 minutes. Spot 100 bbls 14.4 ppg pill.
Daily Cost: $0
Cumulative Cost: $2,448,891

FEDERAL 9-12-9-18 **Running casing**
Date: 11/1/2008
DHS #12 at 15433. 44 Days Since Spud - 40 joints. - Fill casing @ 8325'. Pick up Varco elevators. Cont. running casing. - Rig up casing running equipment. Held PJSM w/ Caliber Casing and rig crew. - Drain BOP stack and pull wear bushing. - casing - change out Varco elevator to YC elevators. Continue running casing filling every - to get fill-up tool to stab properly into casing - rig down fill-up tool. Ran 5 joints - Make up shoe track - Guide shoe, 1 joint 4 1/2" HCP-110 LTC csg, Float collar. Unable - Finish laying down drill pipe, drill collars, and HE Jar. Break bit and bit sub.
Daily Cost: $0
Cumulative Cost: $2,476,645

FEDERAL 9-12-9-18 **Set casing slips**
Date: 11/2/2008
DHS #12 at 15433. 45 Days Since Spud - Circ and condition hole / mud. Rig down casing crew and rig up BJ cementers. - Per casing tally, hole is 67' deeper than drill string tally. - Tagged Bottom @ 15500', lay down tag joint - Shoe @ 15492'. - Continue running 4 1/2" 15.1 ppf, HCP-110, LTC production casing. Total joints run: 377 - PJSM w/ BJ and rig crew. - @ 8.4 ppg + 12 bbls (20 sx) Premium lite II scavenger slurry mixed @ 11.0 ppg + 383 bls Premium - lite lead slurry (815 sx) mixed @ 11.7 ppg, + 337 bbls (1100 sx) 50:50 'G' / Poz + 35% Silica - mixed @ 14.2 ppg. Displace w/ 219 bbls 4% KCl water. Bumped plug w/ 3675 psi, very slight flowback - Pressure up to 3675 psi. Shut well in @ wellhead. Full returns during job. No cement to surface - Rig down BJ, Dump and clean mud pits, while Waiting on Cement. - Note: Surface cement sample not setting up - Slack off weight, will not support casing weight - after 7 hrs. - Pressure test lines to 6085 psi - ok. Pump Cement job as follows: 20 bbls Mud clean 1 spacer mixed

Daily Cost: $0
Cumulative Cost: $2,600,975

FEDERAL 9-12-9-18 **Rig Released - Final Report**
Date: 11/3/2008
DHS #12 at 15433. 46 Days Since Spud - Set casing slip w/ 205,000 lbs. Bleed pressure off casing- Float Collar holding. - Rig up to lift BOP, Lift and rough cut casing 8" above flange. Set down BOP, lay out casing cutoff. - Operations Complete, Release rig @ 12:00 hrs 11/2/2008. Rigging down for move to - Federal 13-24-9-18. - Pull rotating head w/ air tuggers, clear rig floor. **Finalized**
Daily Cost: $0
Cumulative Cost: $3,094,479

Pertinent Files: Go to File List